Xerox 495 Continuous Feed Duplex Printer
Operator Guide

XEROX
495 CONTINUOUS FEED

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Changes are periodically made to the document. Revisions, changes, any technical inaccuracies, and typographical errors will be corrected in any subsequent editions.

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1. About this manual

Thank you for purchasing the Xerox 495 Continuous Feed Duplex Printer. The printer is designed for ease of use, but to use your machine to its fullest potential, take some time to read this Operator Guide.

End User License Agreement

In order to operate the Xerox 495 Continuous Feed Duplex Printer, it is mandatory for an end user representative to accept an XPe (XP embedded) End User License Agreement (EULA). This is the first action for an end user representative after installation or a software upgrade on the machine.

IMPORTANT NOTE:

Only an end user representative can accept the EULA. Service personnel must not accept the EULA for the end user since that will invalidate their agreement with Microsoft.

Audience

This Operator Guide is intended to be used by Operators and Key Operators of the printer in order to run and define production jobs. Some functions only available to Maintenance and Support level users are also included. Where procedures are only relevant to specific user levels, these are clearly identified.

It is assumed that all users understand the peripheral equipment that may be used in the print line. It is also assumed that suitable operation manuals will be available for this peripheral equipment.

Document organization

The Operator Guide contains the following sections:

- **Chapter 2** - *Product Overview* which describes the main components.
- **Chapter 3** - *Getting Started* shows you how to switch the printer off and on, the use of the Help and how to change from one user role to another.
- **Chapter 4** - shows the procedures for *Running Production Jobs*.
- **Chapter 5** - deals with the procedures for loading paper and making *Paper Path* adjustments.
- **Chapter 6** - describes *Adjusting Print Quality*.
- **Chapter 7** - contains the procedures for *Defining the Characteristics of Production Jobs*.
- **Chapter 8** - shows you the procedures for *Performing Routine Maintenance*.
- **Chapter 9** - deals with *Problem Solving*.
- **Appendix A** - contains information on the *Approvals and Certification* applied to the printer.
- **Appendix B** - contains the product and paper specifications for the printer.
- **Appendix C** - a description of how the printer functions.

Document conventions

A document convention is simply a way of presenting information. This section explains the conventions used in this Guide.

Notes, cautions, and warnings

This manual uses notes, cautions, and warnings to emphasize information the reader needs.

Notes contain information that supplements the text.

Cautions provide information where non conformance could cause damage to the machine.

Warnings are shown where non conformance could cause injury to the operators.

Notes and cautions are emphasized using italics. Warnings are emphasized using a bold typeface.

The following is an example of a note:

Note: *Notes are provided as additional information.*

The following are examples of a caution and a warning:

CAUTION

Do not touch the drum surface. Touching the drum could affect the print quality.

WARNING

This warning alerts you to areas of the product where there is the possibility of personal injury.

WARNING

This warning alerts you to areas of the product where there are heated surfaces, which should not be touched.

2. Product overview

The Xerox 495 Continuous Feed Duplex Printer is a non-impact continuous-feed printer combined from the LED recording and dry electrophotographic recording technologies for double-sided printing.

The machine is controlled from a liquid crystal colour touch screen where you can view your operation and application settings.

Printer settings can be pre-programmed for specific production job types and when such a job type is selected, the printer is set up automatically for the paper type and application. The print line to be used is also pre-defined and can be selected according to equipment availability and the job requirements.

Communication with the different devices that form the print line is achieved using the Print Line Bus (PLB).

On-line connection to the host computer uses a number of industry standard emulations across the IBM Channel and the TCP/IP protocol.

Paper can be supplied as fanfold fed from the paper feeder or from a roll feed peripheral device. Printed output can be delivered to a number of finishing devices. Configuration of the print line is made through the touch screen.

Access control to the various functions is made by defining a user role

(Operator, Key Operator, Maintenance and Support) where all users other than the Operator are required to enter a password to access the functions.

Front and back marking units

In order to carry out duplex printing, the printer has two marking units A (Front) and B (Back). Using the default settings, the front side data will print on the A marking unit and the back side data will print on the B marking unit.

You can, however, decide to print the back side data on the A marking unit and the front side data on the B marking unit by checking the Reverse Duplex Printing box.

This can be set for a particular line definition (see "Defining a paper path" on page 7-21) or can be changed on the Production screen (see "Running jobs" on page 4-3).

Default Definition

Default definitions and values can only be modified by Support users.

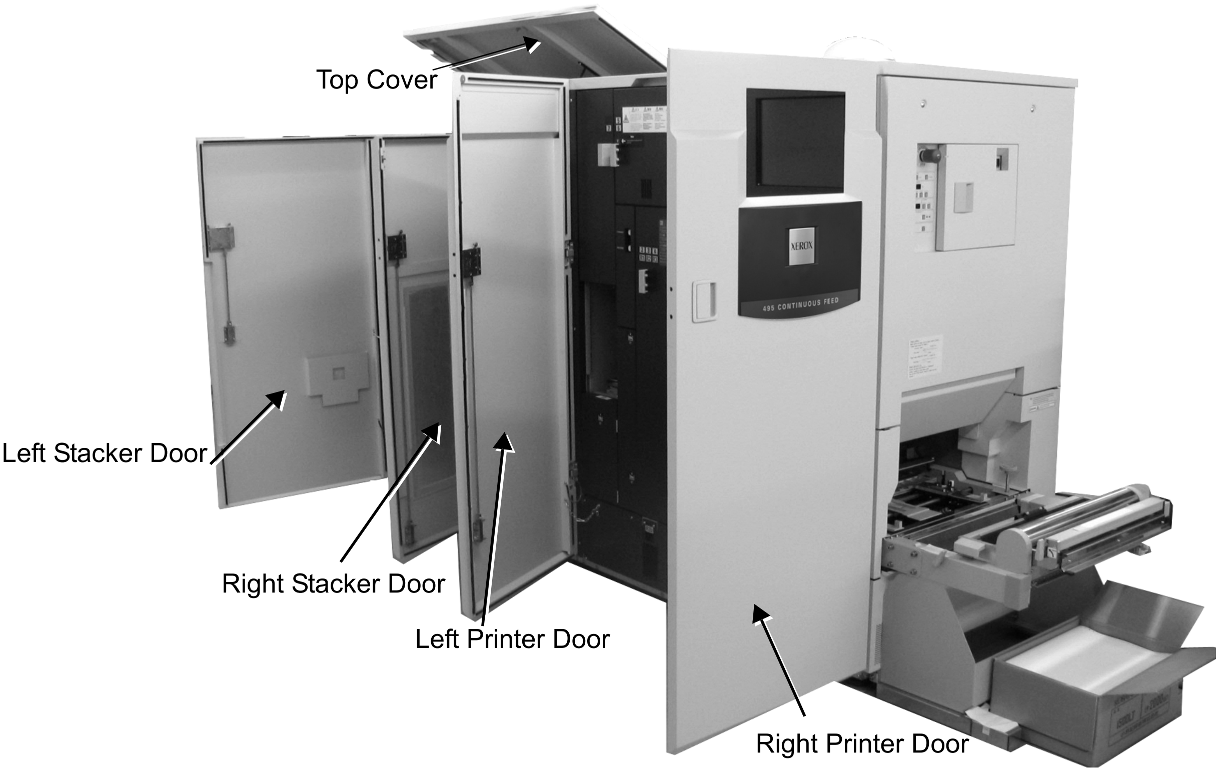
Getting to know the printer engine

Inside the printer you will find the printer engine and the controller. The **Printer Engine** contains the image processing, paper handling and fusing components. The **Controller** has two PCs which are used to control printer functions, communications and configurations.

The following illustrations show the major areas of the printer, the location of the covers and doors and the different control panels and interfaces.

Front covers and doors

The front covers and doors provide access to the printer and stacker components. The Top Cover provides access to the output paper path.

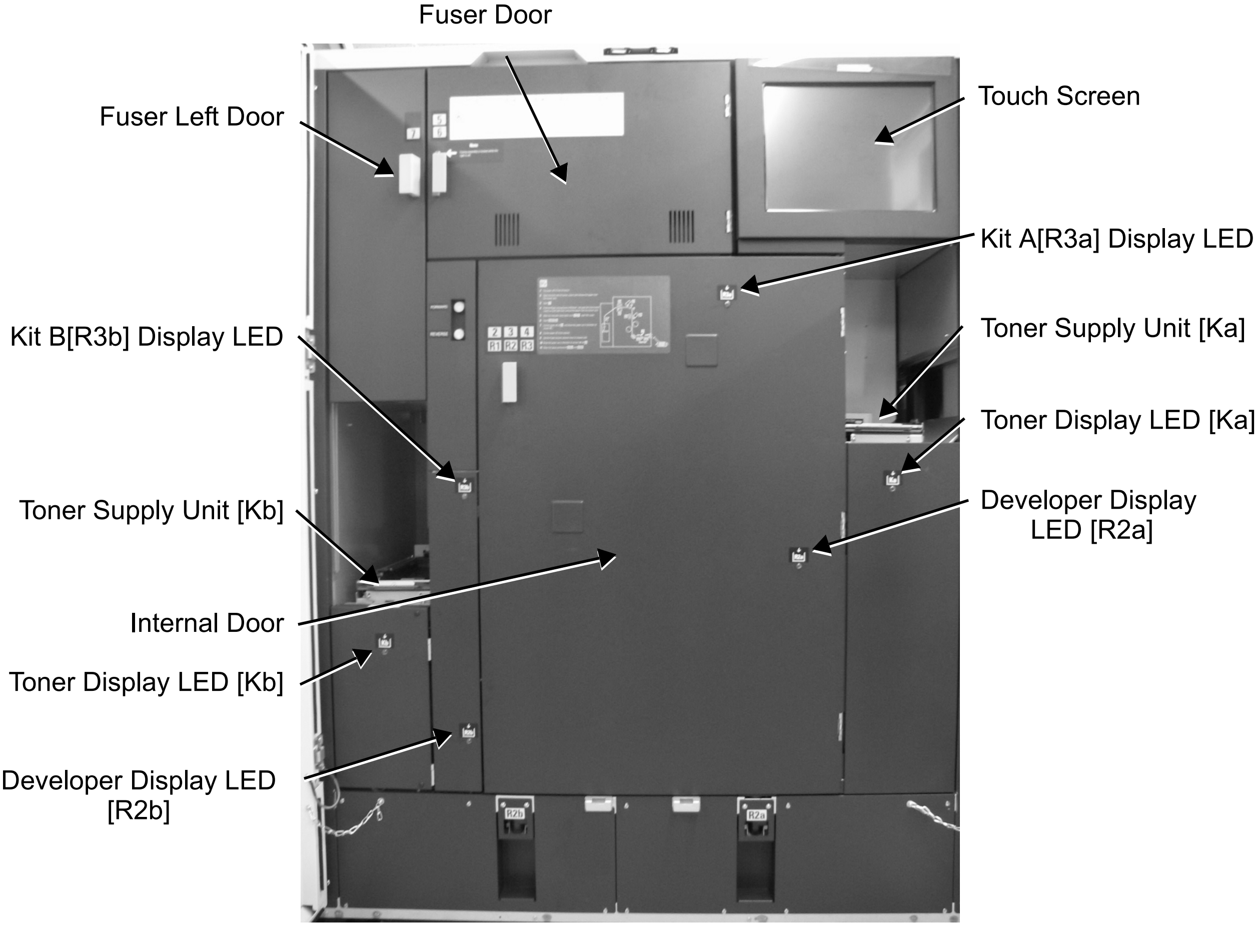


The location is referenced as looking from the front.

- The **Right** and **Left Printer Doors** provide access to the main printing units.
- The **Right Stacker Door** provides access to the paper stacker output.
- The **Left Stacker Door** provides access to the printer controller PC.

Components inside the printer doors

Opening the printer left and right doors provides access to the main printing units.


Fuser Door
Fuser Left Door
Touch Screen
Kit A[R3a] Display LED
Kit B[R3b] Display LED
Toner Supply Unit [Ka]
Toner Display LED [Ka]
Toner Supply Unit [Kb]
Developer Display LED [R2a]
Internal Door
Toner Display LED [Kb]
Developer Display LED [R2b]

The **Touch screen** is used to run and configure production jobs. This also provides access to a number of maintenance functions. See “Understanding the touch screen” on page 2-10.

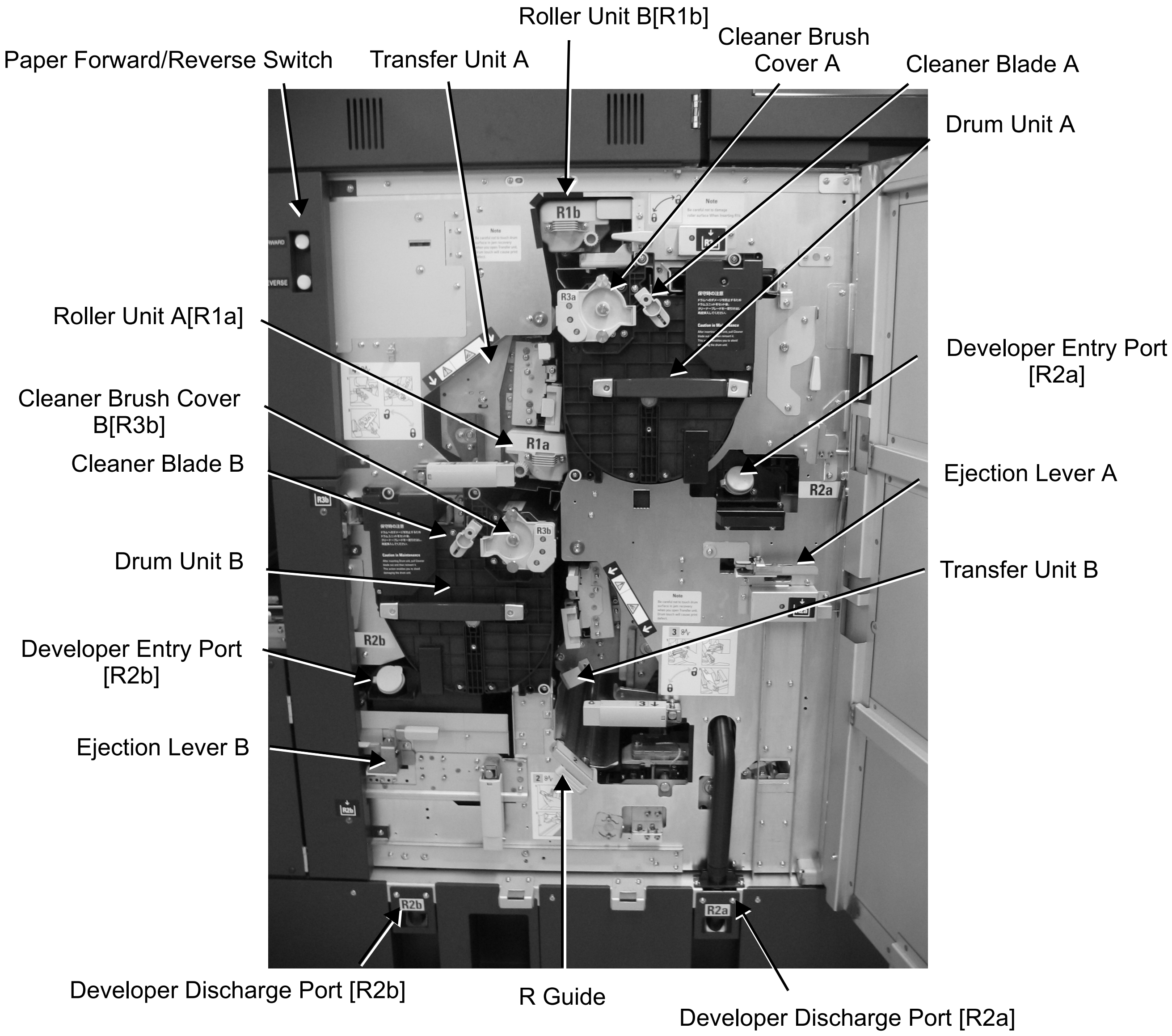
The **Internal Door** accesses the maintenance task components. See “Components inside the internal door” on page 2-5.

The **Fuser Door** provides access to the fusing components. See “Components inside the Fuser Door” on page 2-6.

The remaining components provide maintenance indicators. See “Performing routine maintenance” on page 8-1.

Components inside the internal door

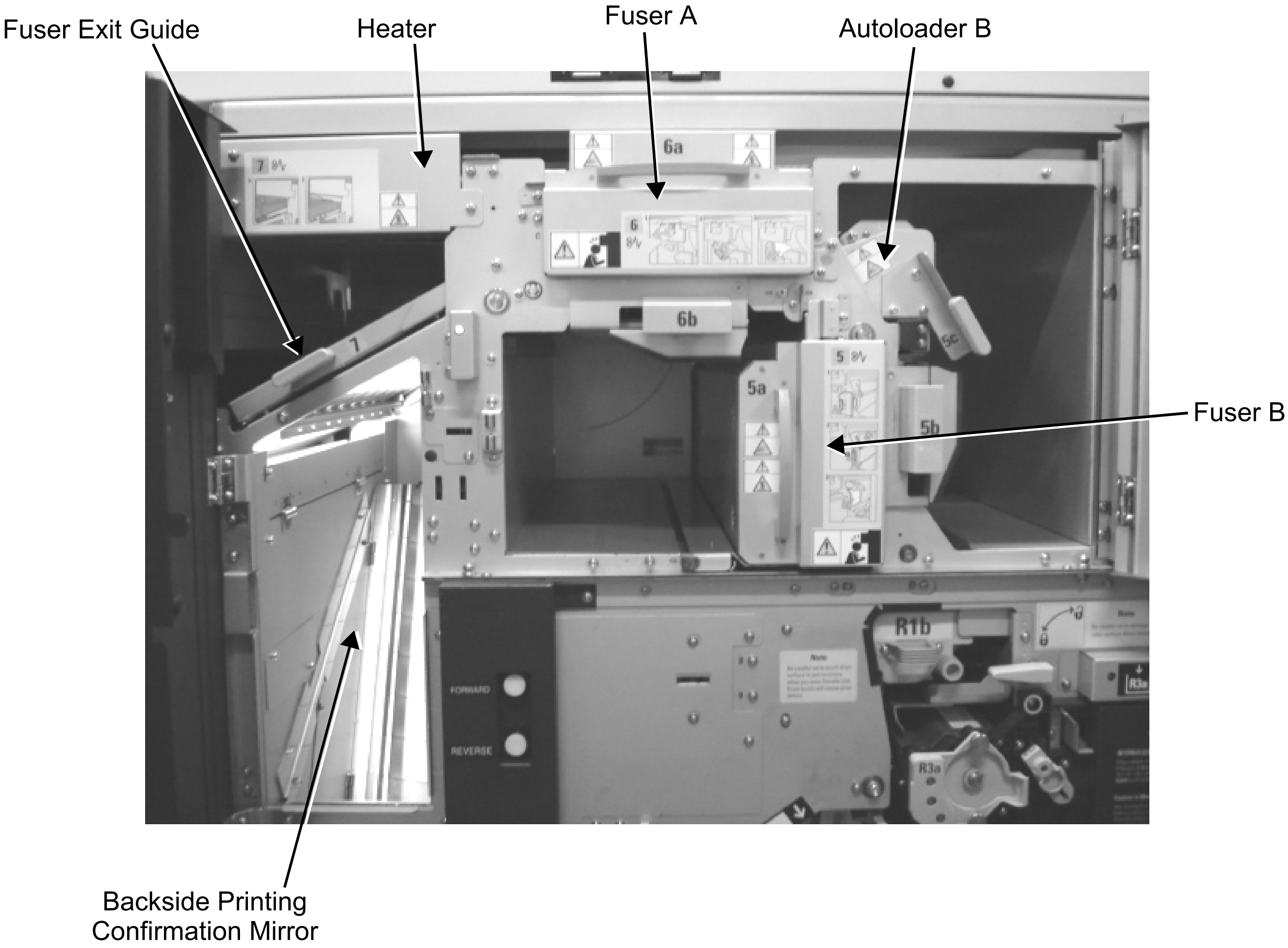
The internal door, when opened, provides further access to the maintenance task components.


Roller Unit B[R1b]
Paper Forward/Reverse Switch
Transfer Unit A
Cleaner Brush Cover A
Cleaner Blade A
Drum Unit A
Roller Unit A[R1a]
Developer Entry Port [R2a]
Cleaner Brush Cover B[R3b]
Cleaner Blade B
Ejection Lever A
Drum Unit B
Transfer Unit B
Developer Entry Port [R2b]
Ejection Lever B
Developer Discharge Port [R2b]
R Guide
Developer Discharge Port [R2a]
R1b
R3a
R1a
R3b
R2a
R2b

See "Performing routine maintenance" on page 8-1

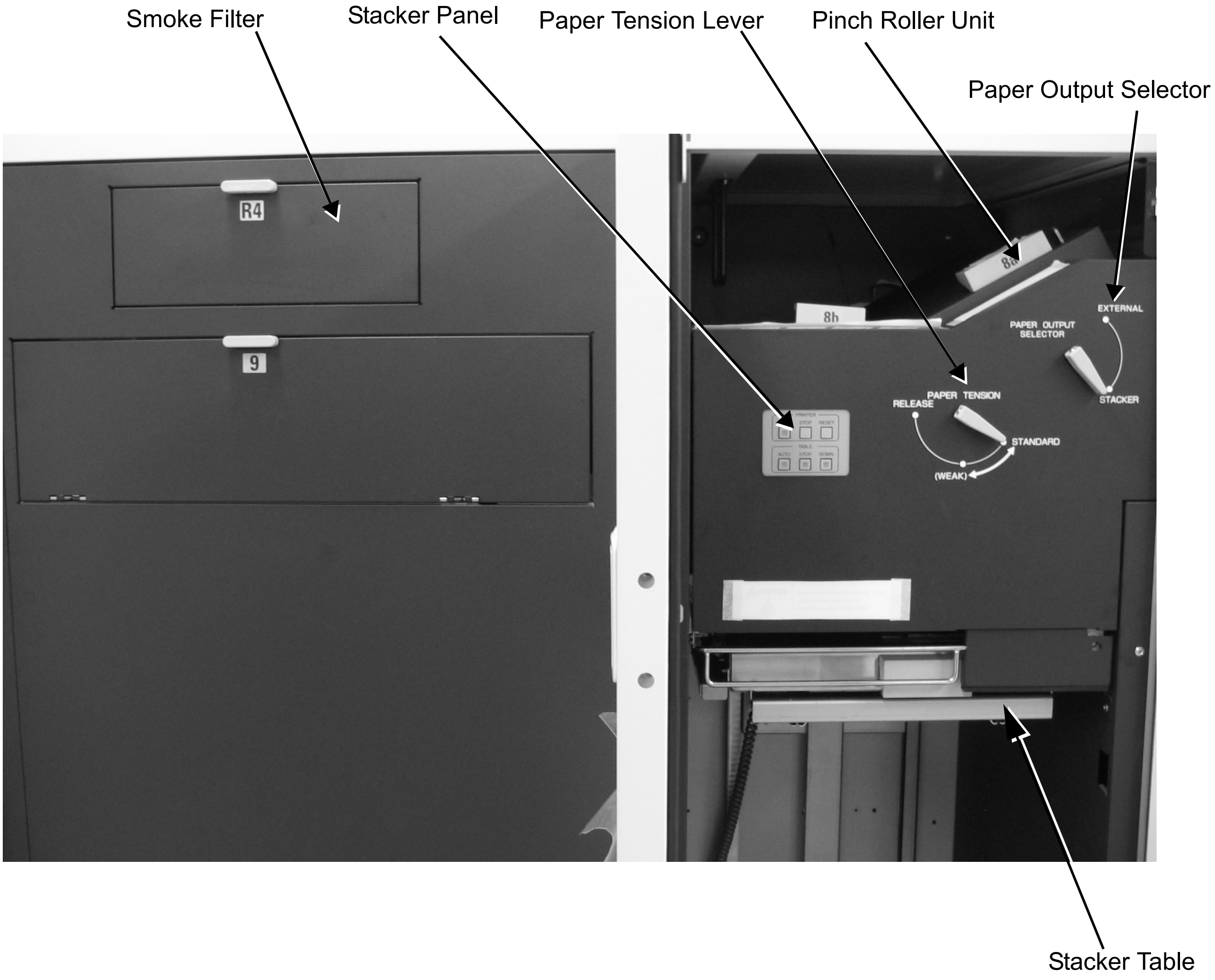
Components inside the Fuser Door

The Fuser Door, when opened, provides access to the fusing components.


Fuser Exit Guide
Heater
Fuser A
Autoloader B
Fuser B
Backside Printing Confirmation Mirror
6a
6b
5a
5b
5c
R1b
R3a
FORWARD
REVERSE
Note

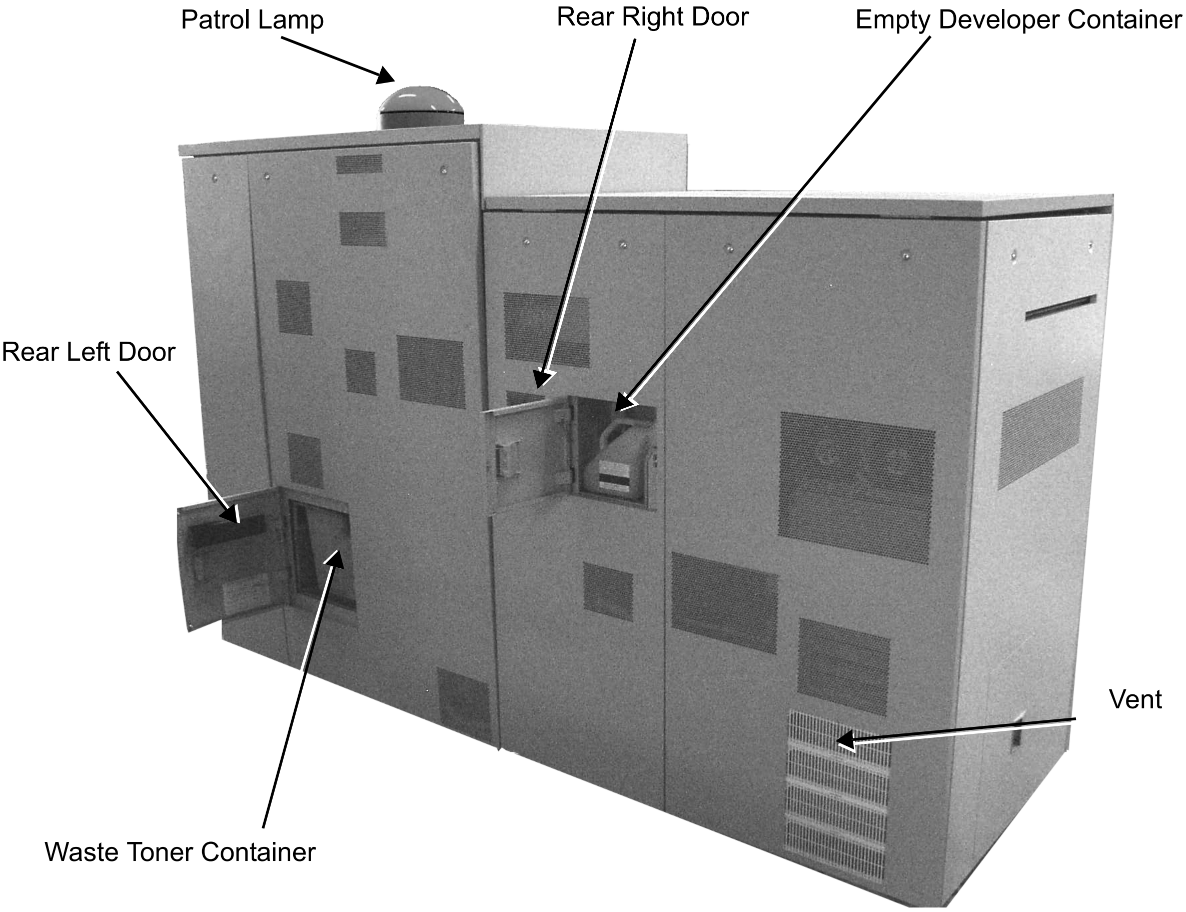
Components inside the stacker door

The stacker doors, when opened, provide access to the stacker components, the smoke filter and the controller PC.


Smoke Filter
Stacker Panel
Paper Tension Lever
Pinch Roller Unit
Paper Output Selector
R4
9
8h
PRINTER
STOP
RESET
TABLE
AUTO
STOP
DOWN
RELEASE
PAPER TENSION
STANDARD
(WEAK)
PAPER OUTPUT SELECTOR
EXTERNAL
STACKER
Stacker Table

Rear covers and doors

There are two doors at the rear of the printer which provide access to the waste toner and empty developer containers.



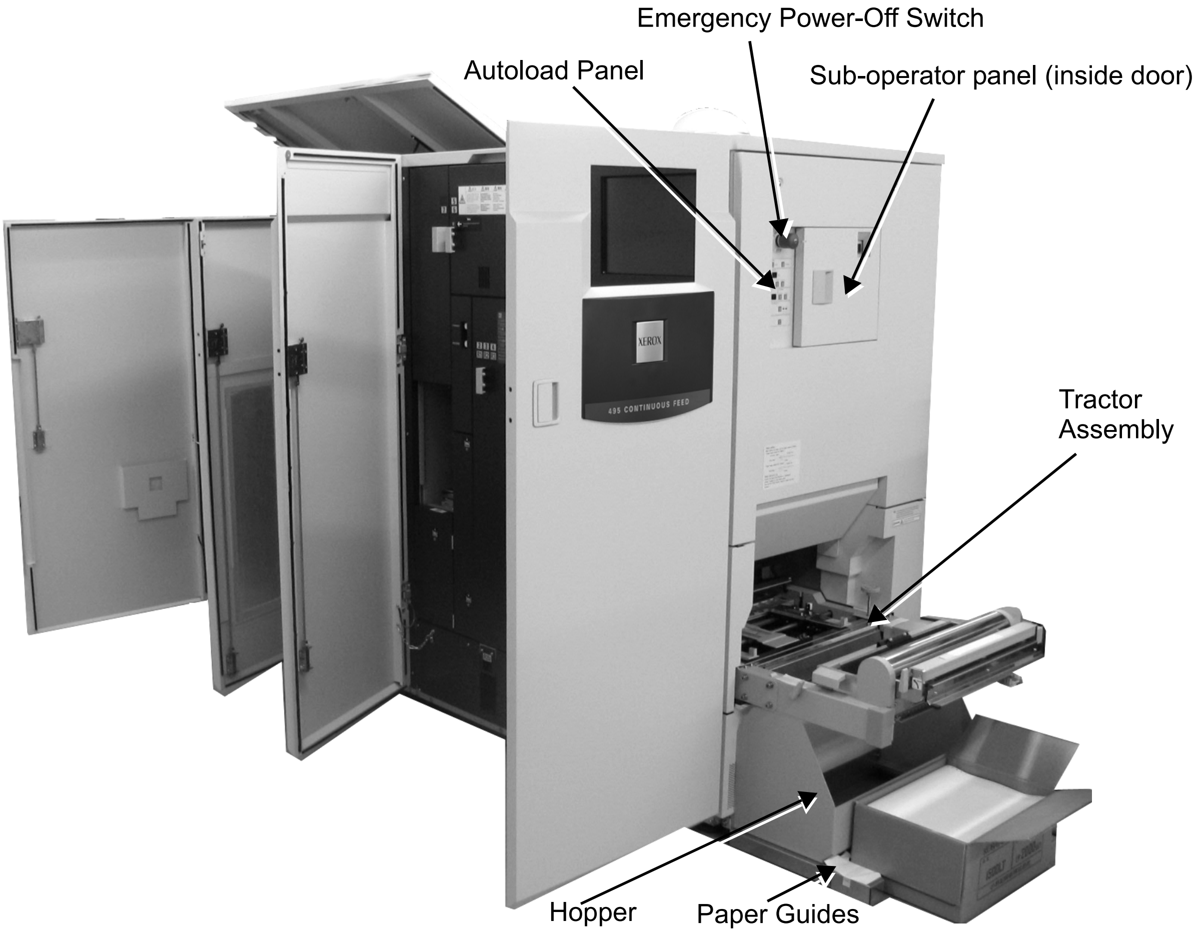
The location is referenced as looking from the rear.

- The **Rear Left Door** provides access to the waste toner container.
- The **Rear Right Door** provides access to an empty developer bottle used, when changing developer, to store the used developer before disposal.
- **Patrol Lamp** - shows the operational status of the printer as shown in the following tables:

Status	Engine status
Off	The engine is powered off, part of the print line is in a not ready state, the machine is warming up, in standby or in maintenance mode.
Green	All of the print line is in a ready state.
Red flashing	The printer is in error.
Green and yellow flashing	One of the consumables is low.

Paper loading components

The paper loading section components are shown in the following illustration.


Emergency Power-Off Switch
Autoload Panel
Sub-operator panel (inside door)
Tractor Assembly
Hopper
Paper Guides

- **Sub-operator panel** - See “Sub-operator panel” on page 2-28.
- **Autoload panel** - See “Autoload panel” on page 2-30.

Understanding the touch screen

The touch screen has been designed to make your work easier. The design is intuitive and user-friendly, using colour coding, icons, dialog boxes, pull-down menus, bubble menus, scroll boxes, buttons, toggle buttons, tabs and check boxes.

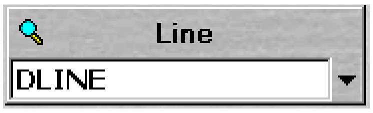
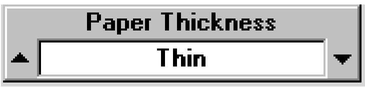
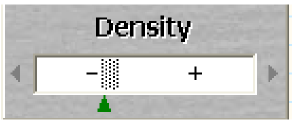
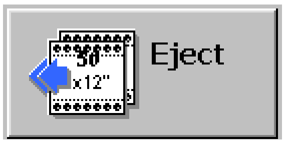
The touch screen gives you fingertip control over the printer. Simply touch the screen with your finger to move the cursor and select the various commands.

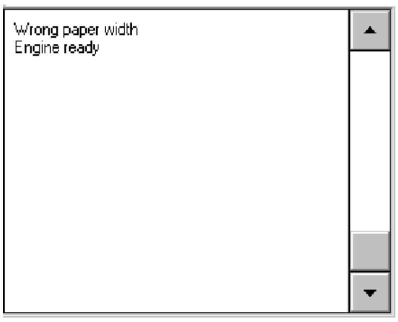
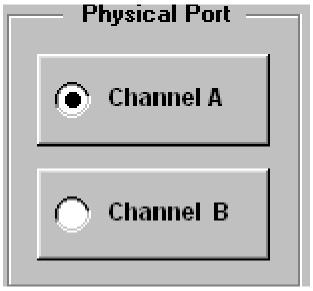
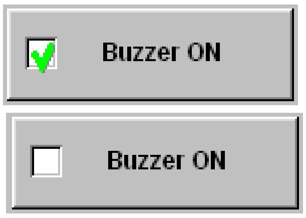
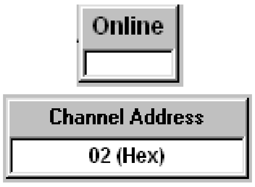
CAUTION

Always use your finger to make selections. Using pointed items such as a pencil for selecting buttons on the touch screen may cause permanent damage to the screen.

Screen symbols

You will find the following symbol types on the touch screen:

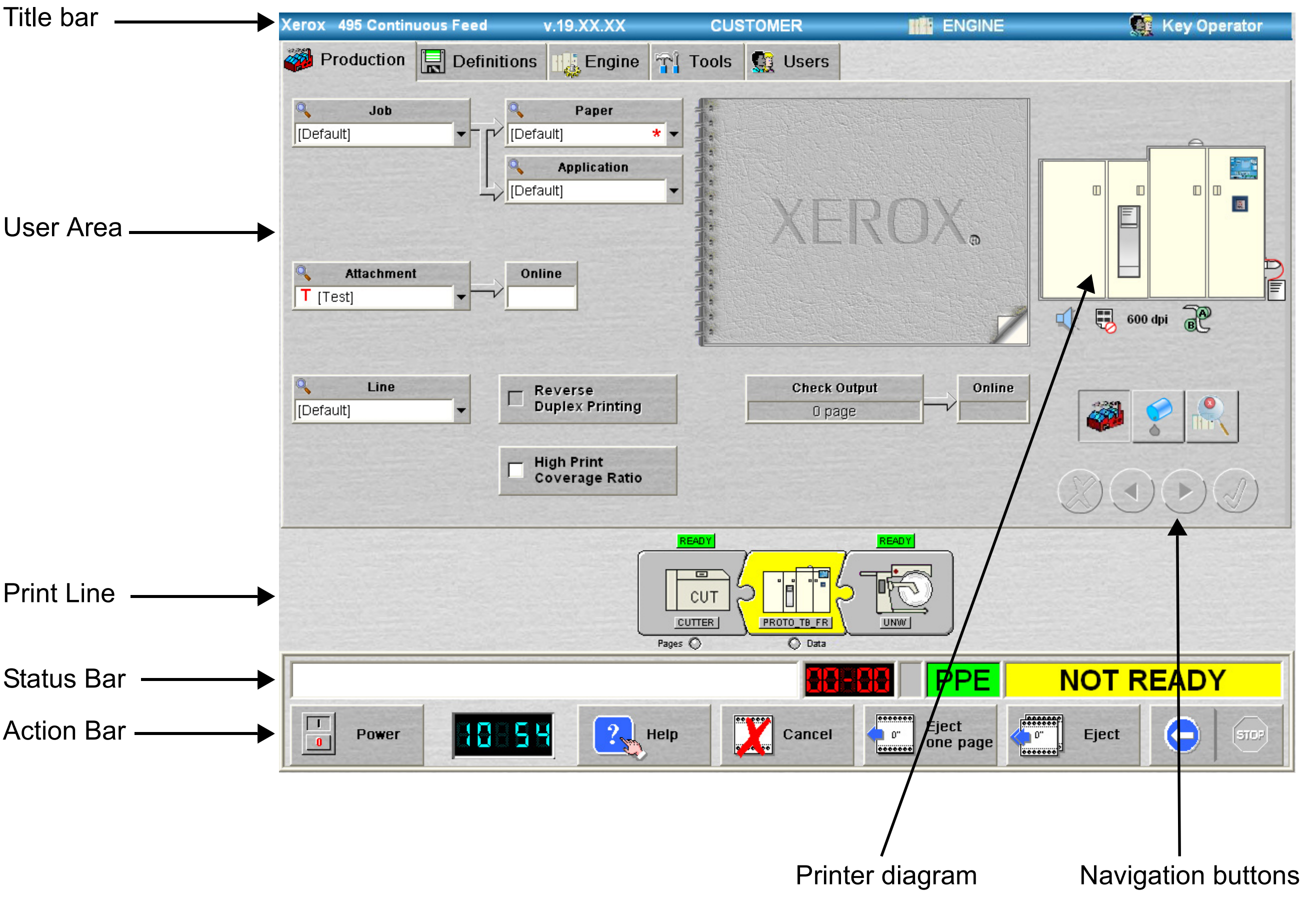
Symbol	Meaning
	**Pull-down list** - when you press on the arrow a list of the available options is displayed. Press on the item that you require. If the list is long, press the 🔍 and use the keyboard to enter a part of the item name to quickly locate the item required. If for example, you enter the letters TE, the list will start at those items beginning with the letters T and E.
🔒	**Icons** - are graphical representations of the status of an item on the touch screen.
	**Circular list** - when you press on one of the arrows the selection changes to the next or previous available option in the menu.
	**Cursor** - when you press on one of the arrows, the value is increased or decreased.
	**Button** - when you press one of these, the indicated operation is activated. Grayed buttons cannot be selected. Some buttons, such as the Eject button shown, toggle between states.
	Keyboard - used to enter numeric or alphanumeric data.

Symbol	Meaning
 Wrong paper width Engine ready	**Vertical scrollbar** - press on the up or down arrow to scroll one line up or down. If you keep your finger on the up or down arrow, the screen will scroll continuously, one line at a time until you remove your finger from the screen. Press in the space to scroll to the position where you place your finger. You can also slide the scrollbar by pressing the gray box and dragging it up or down.
 	**Radio-button** - used to select alternative items. Checking the other item will switch off the current selection.
 	**Check box** - used to select items. When the check box contains a tick, the item is selected.
 Channel Address 02 (Hex)	**Display button** - shows a value or status of the item. When you press a display button like the Online button shown, you will toggle the status. When you press a display button like the Channel Address button, a further screen will be displayed allowing you to change the value.

Functional areas

The touch screen forms the main control panel of the Xerox 495 Continuous Feed Duplex Printer through which most of the functions and configurations can be selected. The language of this display can be in English, French (Français), Italian (Italiano), German (Deutsche), Spanish (Espanol) or Dutch (Nederlands) by changing the language through the Users tab.

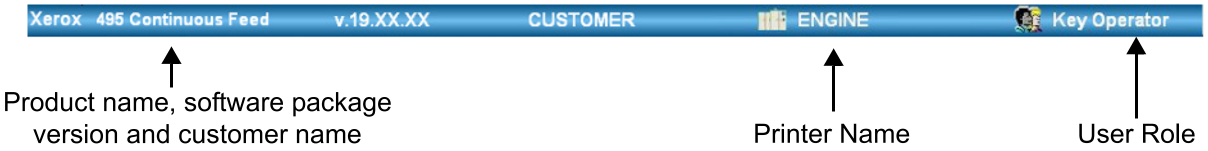
The following illustration shows the functional areas of the touch screen.


Title bar
User Area
Print Line
Status Bar
Action Bar
Printer diagram
Navigation buttons
Xerox 495 Continuous Feed
v.19.XX.XX
CUSTOMER
ENGINE
Key Operator
Production
Definitions
Engine
Tools
Users
Job
[Default]
Paper
[Default]
Application
[Default]
Attachment
T [Test]
Online
Line
[Default]
Reverse Duplex Printing
High Print Coverage Ratio
Check Output
0 page
Online
XEROX
600 dpi
READY
CUT
CUTTER
PROTO_TB_FR
UNW
READY
Pages
Data
00:00
PPE
NOT READY
Power
10 54
Help
Cancel
Eject one page
Eject
STOP

The areas are:

- Title bar See “Title bar” on page 2-13.
- User area See “User area and navigation buttons” on page 2-13.
- Print line See “Print line” on page 2-20.
- Status bar See “Status bar” on page 2-23.
- Action bar See “Action bar buttons” on page 2-25.
- Printer diagram See “Printer diagram” on page 2-26.
- Navigation buttons See “User area and navigation buttons” on page 2-13.

Title bar


Xerox 495 Continuous Feed
v.19.XX.XX
CUSTOMER
ENGINE
Key Operator
Product name, software package version and customer name
Printer Name
User Role

The title bar gives the product name, software package version, customer name, the name given to the local printer and the current user role. In three places, there are links to other tabbed pages. These are:

- If you press on the software revision, the **Engine > Revisions** tab is displayed (see "Checking software and hardware revisions" on page 9-12).
- If you press on the printer name, the **Engine > Config** tab is displayed (see "Making general configurations" on page 3-6).
- If you press on the user role, the **User** tab is displayed (see "Changing user roles" on page 3-10).

User area and navigation buttons

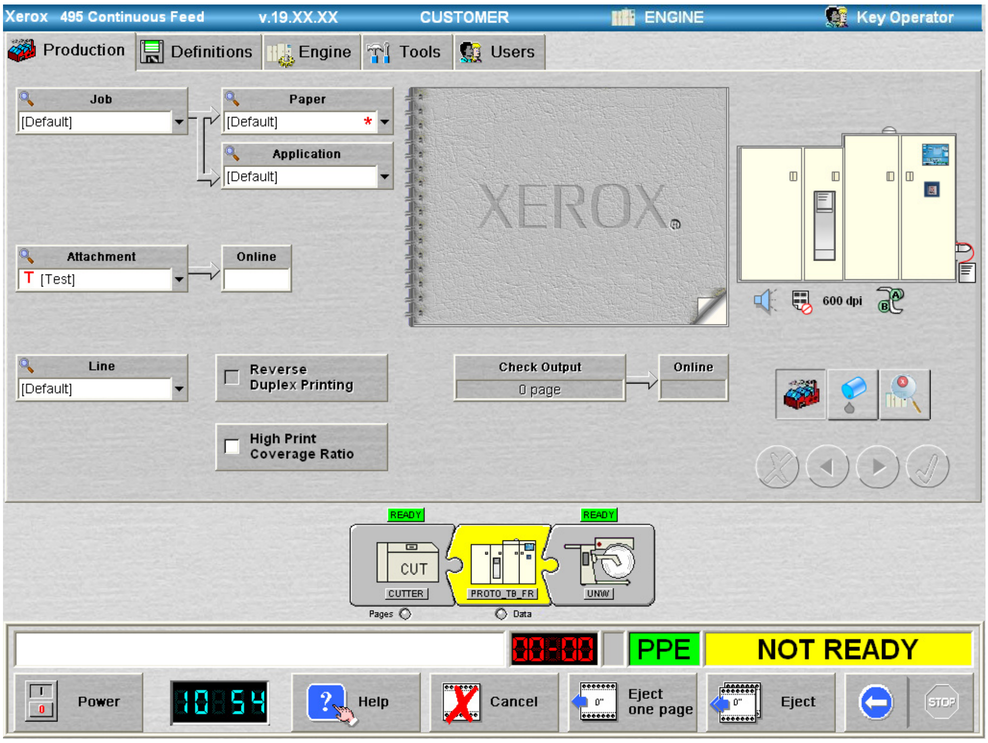
The user area will vary according to the navigation button pressed, tab view selected and user level chosen. Changing the user area will not affect other areas.

Three views of the user area can be displayed using the navigation buttons.

- Tab view
- Run view
- Consumables view

Tab view

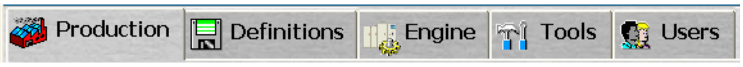
Press the button to switch to this view. The default tab view is the Production tab (see "Running jobs" on page 4-3) which is used to select, modify and run jobs. The following illustration shows the Production tab in the tab view.


Job [Default]
Paper [Default] *
Application [Default]
Attachment T [Test]
Line [Default]
☐ Reverse Duplex Printing
☐ High Print Coverage Ratio
Check Output 0 page
00:00 PPE NOT READY

Xerox 495 Continuous Feed
v.19.XX.XX
CUSTOMER
ENGINE
Key Operator
Production
Definitions
Engine
Tools
Users
Online
Online
XEROX
600 dpi
READY
READY
CUT
CUTTER
PROTO_TB_FR
UNW
Pages
Data
Power
10 54
Help
Cancel
Eject one page
Eject
STOP

Each tab view contains the items that can be chosen or set for that function.

There are five top level tabs some of which will lead to further tabbed pages.


Production
Definitions
Engine
Tools
Users

- Production.
- Definitions.
- Engine.
- Tools.
- Users.
- Option tab (if available, this will bear the name of the installed option).

Note: *An appropriate option tab will be displayed to the right of the Screen tab once that option has been installed. If, subsequently, the option license has lapsed, the tab will still appear but will be grayed out.*

These five tabs are used to access the different screens as well as several sub-screens. The following table shows the tab screen structure.

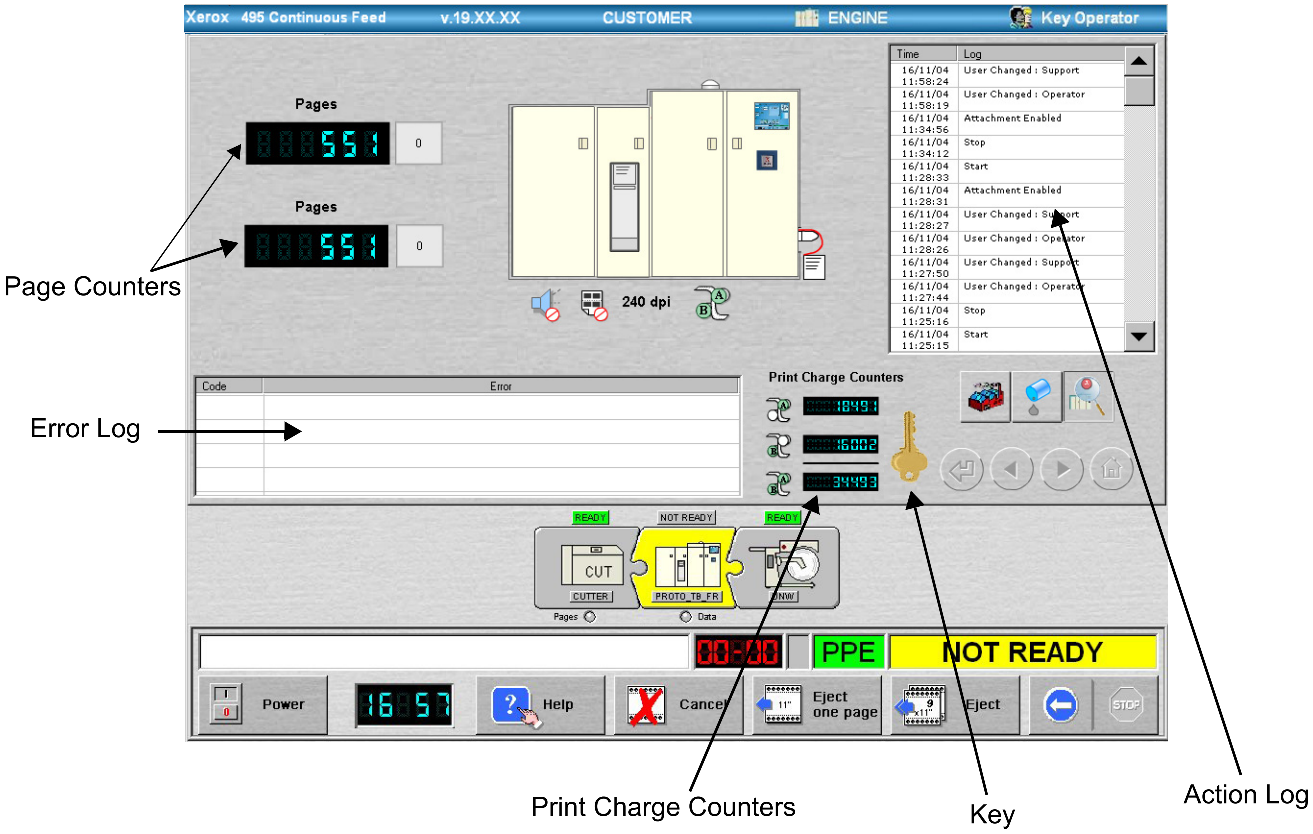
Production	Definitions	Engine	Tools	Users
	Job	Config	Test	
	Paper	Print Mode	Errors	
	Size	Rev.	Resident	
	Application	Lic.	Private	
	Main	Status	Screen	
	Offset	Update		
	Density	Test		
	2-up	Process Test		
	IPDS or Line Mode			
	Line			
	Paper Path			
	Device			
	Marks			
	Attachment			
	Channel			
	TCP/IP			
	File			

Tabs shown in gray are only available for Maintenance and/or Support users and are not described in this Operator Guide.

Run view

The **Run** view logs and displays user actions and activities, error codes and their labels, resolution, page counters and print charge counters. It is shown in the following illustration. The button will flash if an error condition is displayed in the Error Log.

Press the button to switch to this view.


Xerox 495 Continuous Feed
v.19.XX.XX
CUSTOMER
ENGINE
Key Operator
Pages
Pages
0
0
240 dpi
Code
Error
Print Charge Counters
READY
NOT READY
READY
CUT
CUTTER
PROTO_TB_FR
UNW
Pages
Data
PPE
NOT READY
Power
Help
Cancel
Eject one page
Eject
STOP
Page Counters
Error Log
Print Charge Counters
Key
Action Log

Time	Log
16/11/04 11:58:24	User Changed : Support
16/11/04 11:58:19	User Changed : Operator
16/11/04 11:34:56	Attachment Enabled
16/11/04 11:34:12	Stop
16/11/04 11:28:33	Start
16/11/04 11:28:31	Attachment Enabled
16/11/04 11:28:27	User Changed : Support
16/11/04 11:28:26	User Changed : Operator
16/11/04 11:27:50	User Changed : Support
16/11/04 11:27:44	User Changed : Operator
16/11/04 11:25:16	Stop
16/11/04 11:25:15	Start

- **Page counters** - These page counters increment as you print and can be used individually for your own individual page counts. The page counters register each physical page printed and are updated in units of five pages. Reset these counters by pressing the button on the right of each one.
- **Action log** - This displays a list of all those user actions that affect production:
  - Job, Paper, Application, Attachment and Line Selection.
  - Actions to Start, Stop or Reset.
  - Actions to Cancel or Cancel/Discard Buffers.
  - Actions to Eject, Eject One Page.
  - Actions within a bubble menu.
  - User change (forced or automatic).
  - Error messages and their codes.

- **Error log** - This displays all error codes and their labels, as they occur. By clicking on an error label, you will immediately access its accompanying Help. When you press the **Reset** button, all errors that have been remedied will be removed from the Error Log.
- **Print charge counters** - Print charge counters are used to calculate how much has been printed for a job in order to apply the appropriate charges. There are three print charge counters; one for the Front side data printed, a second for the Back side data printed, and a third for the total of these two (see "Front and back marking units" on page 2-2).

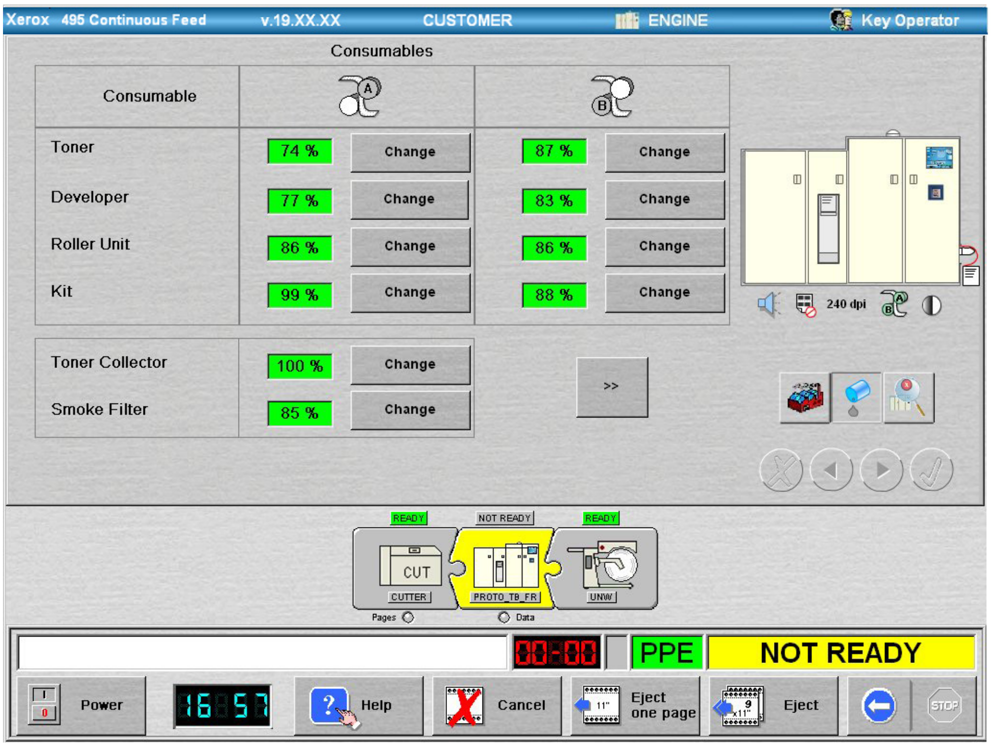
  Note: *The display of the print charge counters on the GUI is for reference only. For a reliable billing meter count, use the mechanical counter on the sub-operator panel.*
- **Key** - When this key icon is present it means that the print charge counters (i.e. billing meter) are locked and the counter will not increment. This feature is for Xerox Service Use ONLY.

Consumables view

Consumables view - will display one of two consumables screens. The first shows the usage of all of the consumables that you are able to replace and provides a means to access the procedures to change that consumable (see "Checking consumable use" on page 8-4). The second screen shows the usage of consumables that need to be replaced for maintenance purposes. This screen is for information only and the Change buttons are grayed out.

The button flashes if a consumable needs to be replaced.

Press the button to switch to this view. The following illustration shows the consumables that you are able to replace.



Xerox 495 Continuous Feed
v.19.XX.XX
CUSTOMER
ENGINE
Key Operator
Consumables
>>
240 dpi
READY
NOT READY
READY
CUT
CUTTER
PROTO_TB_FR
UNW
Pages
Data
00:00
PPE
NOT READY
Power
16:57
Help
Cancel
Eject one page
11"
9 x11"
Eject
STOP

Consumable	A		B	
Toner	74 %	Change	87 %	Change
Developer	77 %	Change	83 %	Change
Roller Unit	86 %	Change	86 %	Change
Kit	99 %	Change	88 %	Change

Toner Collector	100 %	Change
Smoke Filter	85 %	Change

The colour of the value box beside each consumable will change according to its current condition.

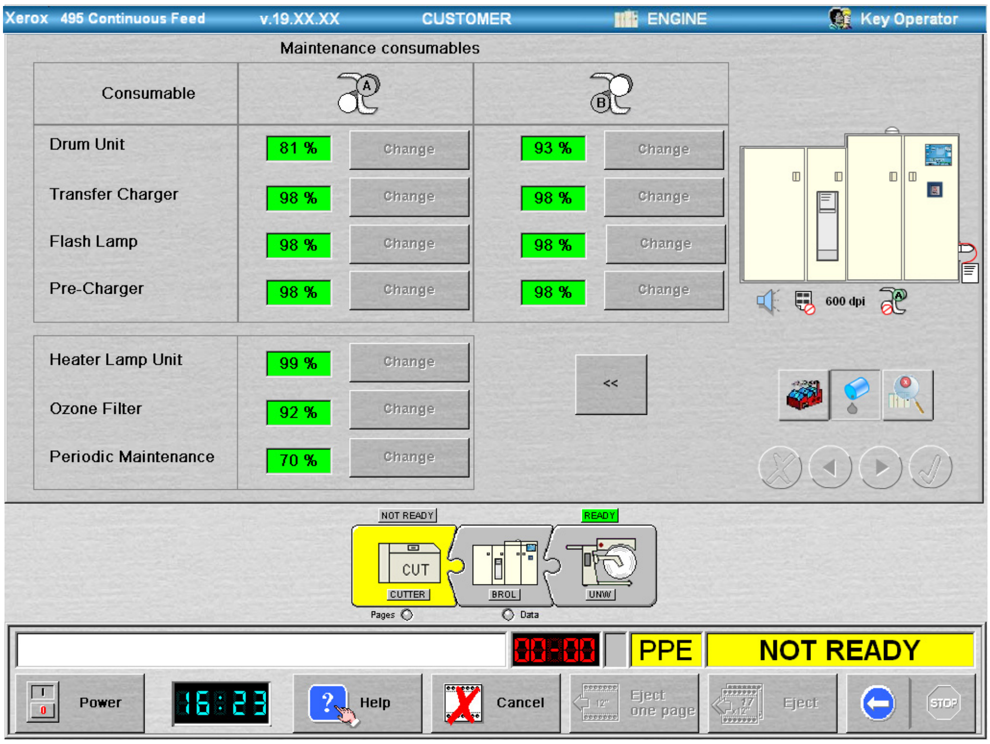
- **Green** - means that the consumable is in a start of life condition, or there is sufficient life remaining.
- **Orange** - means that the consumable is nearing its end of life. An error message will be displayed from which you can choose to change the consumable.
- **Red** - means that the life of the consumable has expired. An error message will be displayed and, to continue, you will have to change the consumable.

The percentage values shown in the windows have the following significance.

Consumable	Green	Orange	Red
Toner [Ka] & [Kb]	100% - 18.9%	18.8% - 1%	0%
Developer [R2a] & [R2b]	100% - 10%	9% - 1%	0%
Roller unit A[R1a] & B[R1b]	100% - 10%	9% - 1%	0%
Kit A[R3a] & B[R3b]	100% - 12%	11% - 1%	0%
Toner collector	100%	50%	0%
Smoke filter	100% - 13%	12% - 1%	0%

When several consumables need to be changed simultaneously, there is no particular order for their replacement.

Press the >> button to display the maintenance consumables screen.


Xerox 495 Continuous Feed
v.19.XX.XX
CUSTOMER
ENGINE
Key Operator
600 dpi
<<
NOT READY
READY
CUT
CUTTER
BROL
UNW
Pages
Data
00:00
PPE
NOT READY
Power
16:23
Help
Cancel
Eject one page
Eject
STOP

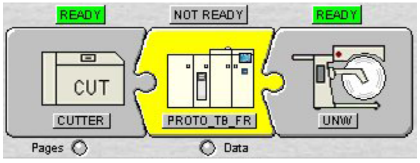
Maintenance consumables

Consumable	A		B	
Drum Unit	81 %	Change	93 %	Change
Transfer Charger	98 %	Change	98 %	Change
Flash Lamp	98 %	Change	98 %	Change
Pre-Charger	98 %	Change	98 %	Change
Heater Lamp Unit	99 %	Change		
Ozone Filter	92 %	Change		
Periodic Maintenance	70 %	Change		

Press the << button to display the consumables that you are able to replace.

Print line

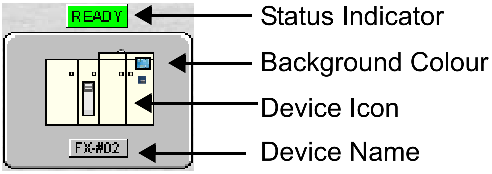
The print line shows a graphical representation of the print line selected and displayed in the Line field under the Production tab. The following print line shows a print line composed of a cutter, a printer and an unwinder.


READY
NOT READY
READY
CUT
CUTTER
PROTO_TB_FR
UNW
Pages
Data

The **Data Lamp** indicates the device that receives the data. It will be green when there is data, red when data is being discarded and grey when no data is available.

The **Pages lamp** indicates that there are unprocessed pages remaining in the paper path. When the Pages lamp is on, an attempt to set the attachment offline will result in a warning message.

Each graphical representation has four components as shown in the following illustration.


READY
FX-#02
Status Indicator
Background Colour
Device Icon
Device Name

These are described below.

Status indicator

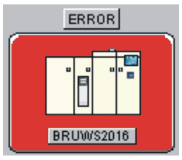
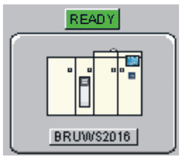
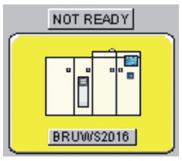
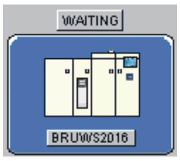
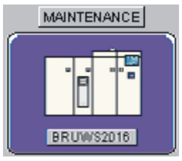
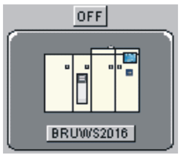
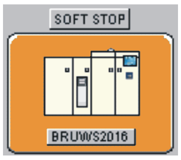
The status indicator describes the device state and will be green if the device is Ready or Ready Not Aligned. The device state can be:

- Ready
- Not Ready
- Error
- Soft Stop
- Waiting (Warming Up)
- Off (Engine Power off)
- Maintenance
- Not aligned

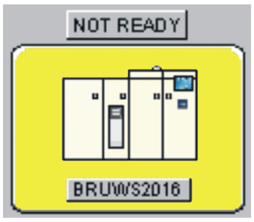
Background colour

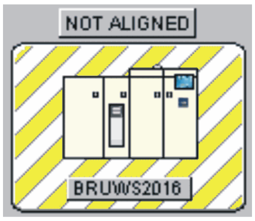
The device background changes colour and pattern according to the device state and its alignment condition.”

The device state determines the background colour. The following table shows the possibilities.

Colour	Meaning
 ERROR BRUWS2016	Red - The device is in error. To clear the error, you should refer to the relevant error clearing procedure in the error help.
 READY BRUWS2016	Light Gray - The device is in a Ready state. **Note:** *The background colour is light gray and not green because it is the normal device state and should not retain the operator attention. If the colour changes to green and is striped, then it is ready but not aligned.*
 NOT READY BRUWS2016	Yellow - The device is in a Not Ready state. You need to make the device Ready by pressing the START button.
 WAITING BRUWS2016	Blue - The device is warming up. You need to wait a few moments while the device warms up.
 MAINTENANCE BRUWS2016	Purple - The device is in maintenance mode.
 OFF BRUWS2016	Dark Gray - The device is powered OFF. You need to power it ON before printing.
 SOFT STOP BRUWS2016	Orange - The device is in a soft stop state.

The colour becomes striped when the device is not aligned. The alignment condition changes the background pattern as follows:





Some Devices, such as an unwinder, have no alignment state. These devices are always considered as aligned.

During a print position check (from start print position check till stop print position check), the printer device is considered as not aligned.

Device name

For printers, this shows the printer name entered in the **Engine>Config.** tab. For pre- and post-processing devices, this displays the name entered **Definitions>Line>Device** tab.

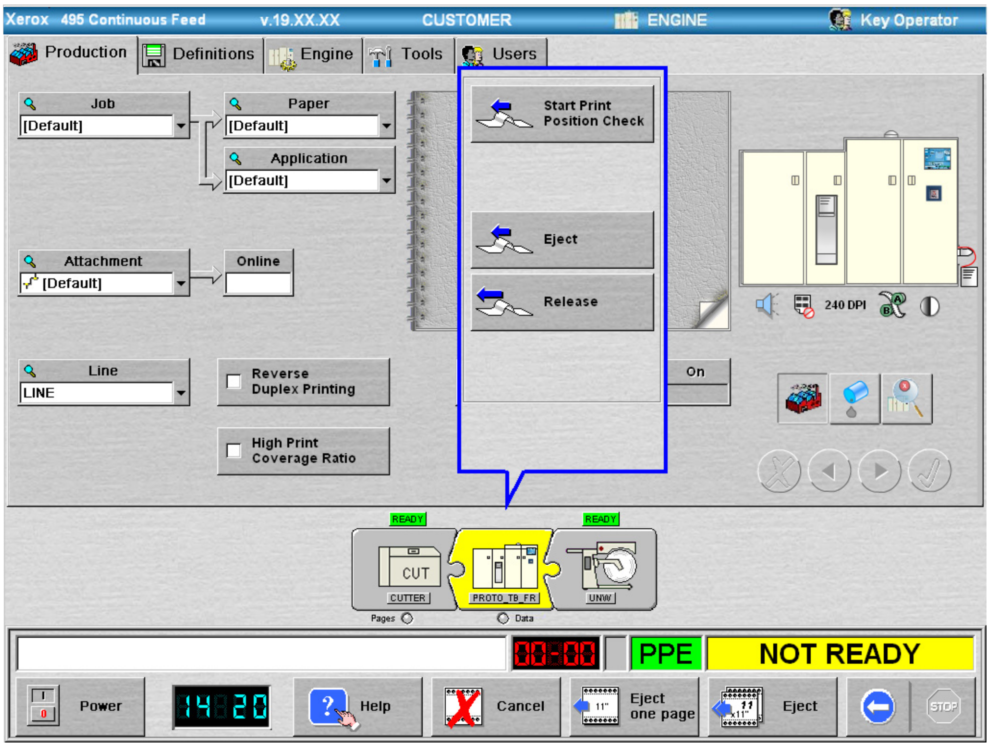
Device icon

This illustrates a representation of the device type.

Bubble menu

A **bubble menu** will be displayed on the screen whenever you press on a device icon in the print line. The contents of the bubble menu will vary according to the device selected and the status of that device.

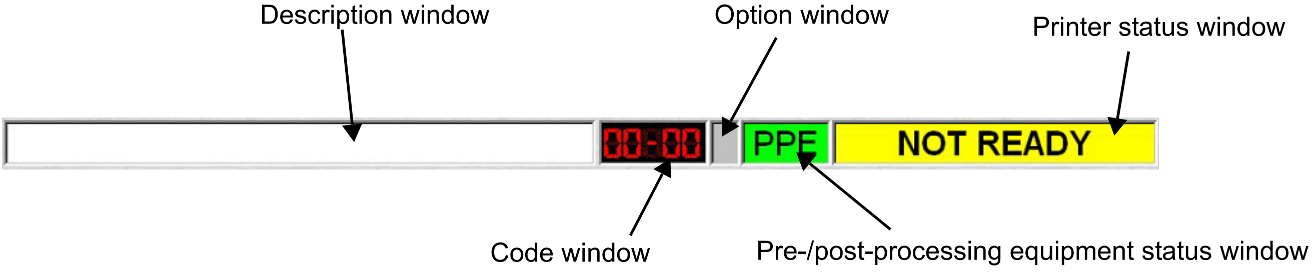
Press on a device representation to display a bubble menu of commands that can be carried out on that device.


Xerox 495 Continuous Feed
v.19.XX.XX
CUSTOMER
ENGINE
Key Operator
Production
Definitions
Engine
Tools
Users
Job
[Default]
Paper
[Default]
Application
[Default]
Attachment
[Default]
Online
Line
LINE
Reverse Duplex Printing
High Print Coverage Ratio
Start Print Position Check
Eject
Release
On
240 DPI
READY
CUT
CUTTER
PROTO_TB_FR
UNW
Pages
Data
00-00
PPE
NOT READY
Power
14 20
Help
Cancel
Eject one page
Eject
STOP

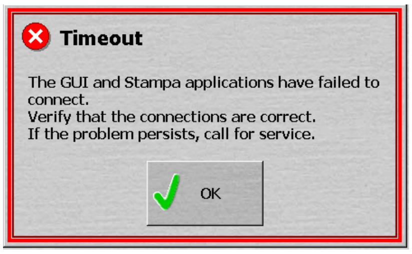
Bubble menu command buttons depend on the exact equipment in the print line (See "Bubble menus" on page 4-11).

Status bar

The status bar at the bottom of the screen indicates the different states of the printer.

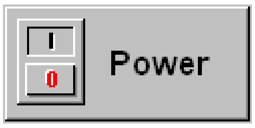
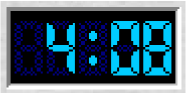
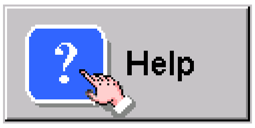
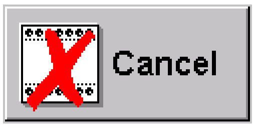
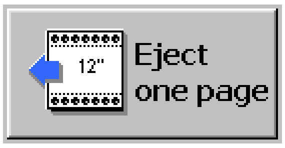
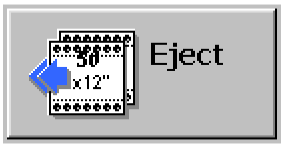
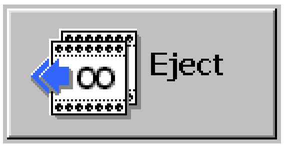

Description window
Option window
Printer status window
00-00
PPE
NOT READY
Code window
Pre-/post-processing equipment status window

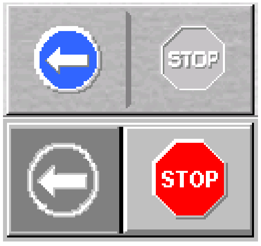
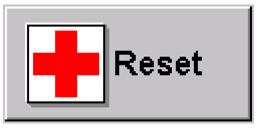
Note: *When* **MAINTENANCE** *status is displayed in the Description window, please call for service or advice.*

Window	Description	
Description window	Describes the error or current status. The message shown in this window must be passed on to your service provider when placing a service call.	
Code window	Gives the current error code (see "Clearing errors" on page 9-2).	
Option window	Indicates the status of any installed options. The following can be displayed: **Gray box**- the option is not present, switched off or the license has expired. **Option icon** - an icon representing the option is displayed when the option is installed and operational.	
Pre/post-processing Equipment Status window	Indicates the status of any pre- and post-processing equipment. If more than one status is present at the same time then they will be displayed in Error, Not Ready and Ready order. **Gray** - pre- or post-processing equipment not present or switched off. **Green steady** - ready. **Green flashing** - ready, soft stop. **Yellow steady** - not ready. **Yellow flashing** - not ready, soft stop. **Red** - error **Purple** - maintenance is taking place.	
Printer Status window	Indicates the current state of the printer:	
	READY	The printer is ready to print. Press STOP to go Not Ready.
	NOT READY	The printer is stopped. Press START to go Ready.
	ERROR	An error has occurred. Correct the problem. Press the RESET button, then START if needed.
	PARAMETERS CHANGING	This status is displayed when you change some of the printer parameters.
	ENGINE OFF	The printer engine is off. Press the POWER button to power on the engine.
	WARMING UP	The developer and drum units are being initialized. Please wait a few minutes.
	AUTOLOAD	The printer is loading paper.
	CONNECTING	The touch screen is establishing a network link to the controller. Please wait a few minutes. If, after 5 minutes, the connection fails, a pop-up message will be displayed.  Timeout The GUI and Stampa applications have failed to connect. Verify that the connections are correct. If the problem persists, call for service.
	PRINTING	A job is in progress.
	EJECTING	The printer is in the process of ejecting paper.
	BUSY	The printer is between statuses.
	MAINTENANCE	The printer is undergoing maintenance.

Action bar buttons

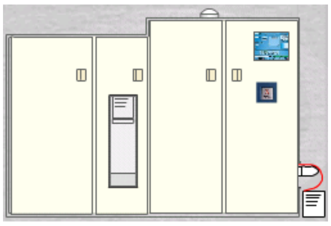
The buttons at the bottom of the screen are used to control your printer.

Button	Description
	Power button - used for powering the printer engine on and off. When the engine is powered on, the button shows this state and the green LED is lit. When powered off the LED is red. There are two power states: **Power on/off** - where the engine and the controller are on or off. This is carried out at the Sub-Operator Panel. **Engine on/off** - where the engine is on or off. This is carried out at the touch screen using this button. Do not press the Power button to stop printing. For emergency stop, use the Emergency switch (see "Autoload panel" on page 2-30).
	**Clock** - displays the time in 24 hour format. Double pressing on the clock will open a dialog to adjust the time. This will affect the time on the GUI and in the controller.
	Help button - provides access to the on-screen help system. See "Using help" on page 3-5.
	Cancel button - cancels the job in progress. This could be a print job from the host or when a Print Position Check is in progress. See "Cancelling jobs" on page 4-14.
  	Eject buttons Eject one page button - press this button to eject a single sheet. Eject pages button - this is a toggle button that switches between two eject states. Press and hold down the button for two or three seconds to toggle between the eject states. The eject states are: Eject the number of sheets shown (50 in the illustration). The number of sheets to eject will be determined when creating the line definition for a job (see "Defining a paper path" on page 7-21). In systems with pre-/post-processing devices, this will be the distance between devices determined at installation. The number of sheets changes to the infinity sign and, once pressed, this will continue to eject paper until the STOP button on the touch screen is pressed.

Button	Description
	START button - used to set the printer ready. STOP button - used to set the printer to not ready.
	Reset button - used for indicating that an error condition has been cleared. This button replaces the START/STOP button.

Printer diagram

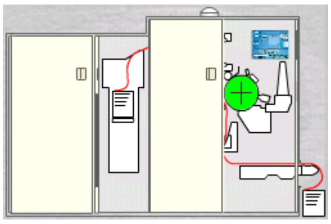
The Printer diagram is an animated representation of the printer.



The patrol lamp in the representation will indicate the status of the machine.

- **Off** - The engine is powered off, part of the print line is in a not ready state, the machine is warming up, in standby or in maintenance mode.
- **Green** - All of the print line is in a ready state.
- **Red flashing** - The printer is in error.
- **Green and yellow flashing** - One of the consumables is in a low state.

Press a closed door to open it and show the paper path behind that door. If an error condition occurs, the doors in the printer diagram will automatically open to show the location of the problem. Press anywhere behind an open door to close all open doors.



Under the printer diagram, you will find the following icons:

- - This icon means that the buzzer is activated. When it is crossed , it means that the buzzer is not activated. See “Making general configurations” on page 3-6.
- - This icon means that a high print coverage ratio is selected. When it is crossed , it means that a high print coverage ratio is not selected. See “Running jobs” on page 4-3.
- 240 dpi - This icon shows that the resolution set in the current application definition is 240 dpi. Change the resolution to another resolution (300 or 600) and this icon also changes 600 dpi. See “Defining applications” on page 7-12.
- This icon shows the marking units active for the current job (see "Setting print modes" on page 3-8). If you choose and print a simplex job, only the A marking unit will be highlighted. If printing in duplex and have print mode switching enabled after a specified number of pages, the icon does not change.
- - This icon appears when you select a density that is not the default setting. It is a type of warning and does not appear when using the default density. See “Notebook density settings” on page 4-8.

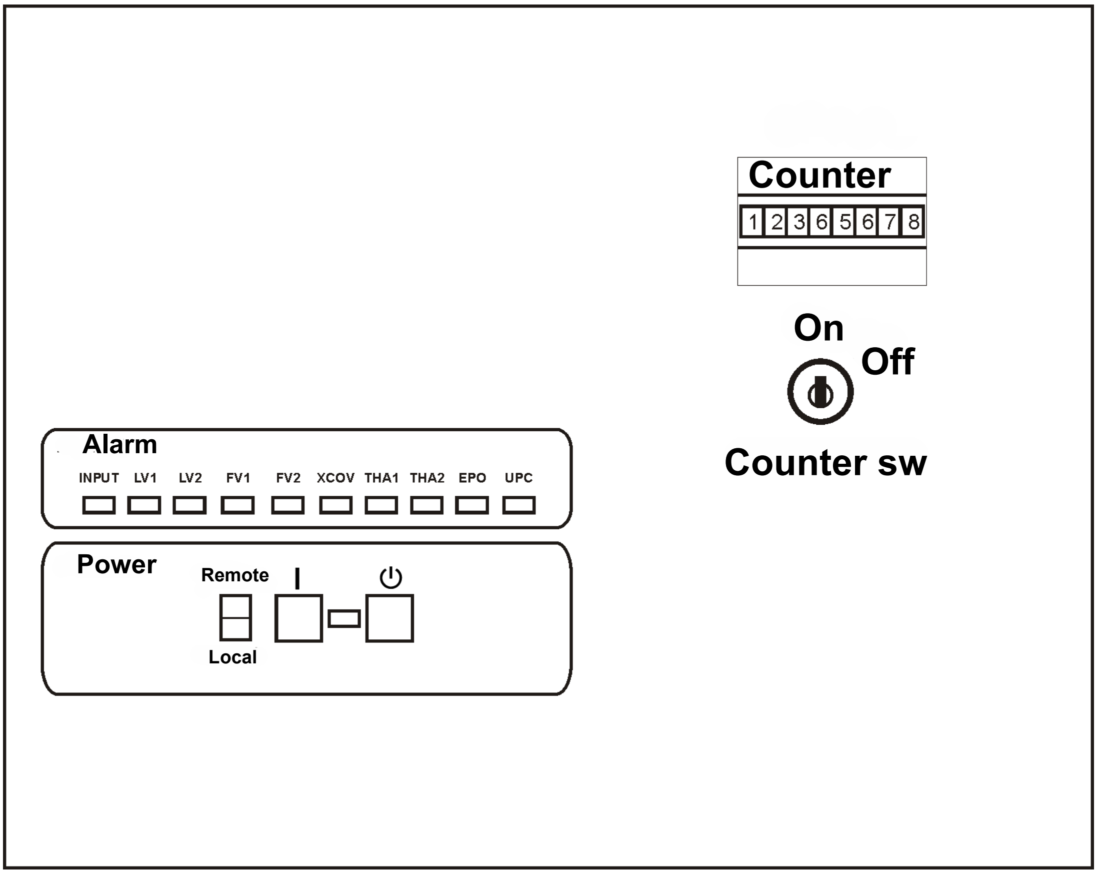
Operator panels

There are a number of additional operator panels. These are:

- Sub-operator panel
- Autoload panel
- Stacker panel
- Paper forward and reverse switch panel

Sub-operator panel

The sub-operator panel is behind the small door at the upper part on the right side of the printer. Open the small door to use the panel.


Counter
1 2 3 6 5 6 7 8
On
Off
Counter sw
Alarm
INPUT
LV1
LV2
FV1
FV2
XCOV
THA1
THA2
EPO
UPC
Power
Remote
Local
I
⏻

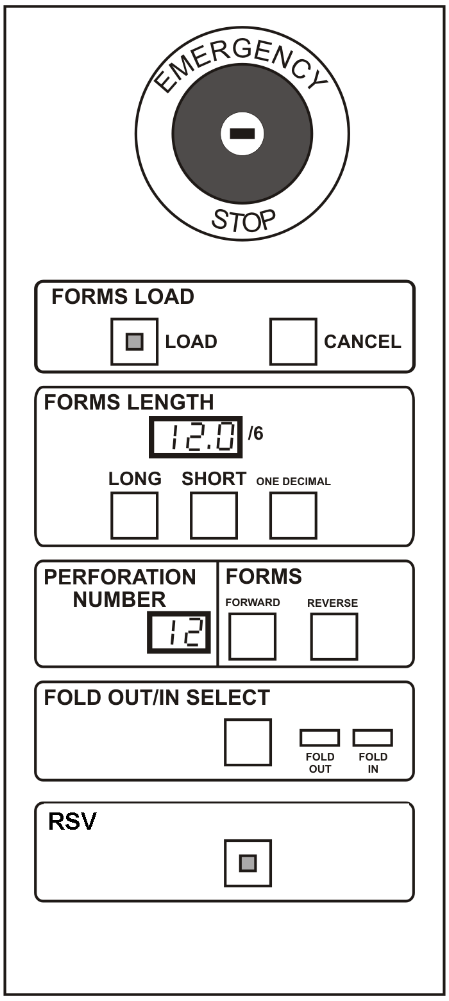
The components are shown in the following table:

Name	Function
Power	**I button** Turns the printer power on. **⏻ button** Turns the printer power off. **Remote/Local switch** Determines whether to turn the printer on and off using the On and Off buttons (Local) or from and external control (Remote) (see "Remote powering on and off" on page 3-3).

Name	Function
Counter	This mechanical counter is incremented every 26" of printing. In duplex printing, front and back side prints are counted separately and the combined totals are displayed. The mechanical counter will count every 26" of print length and the Xerox billing system will list total meter "clicks" and show the charger per 26" click. The customer must multiply by 2.17 to get the actual linear feet used.
Counter switch	The counter switch is for Xerox Service Use ONLY. It is used to lock and unlock the mechanical counter.
ALARM (Display)	INPUT - Indicates that printer power supply is abnormal.
	LV1 - Indicates that the input control power supply (LV1) is abnormal.
	LV2 - This LED is not used.
	FV1 - Indicates that the flash power supply (FV1) is abnormal.
	FV2 - Indicates that the flash power supply (FV2) is abnormal.
	XCOV - Indicates that the fuser-related protective door is open.
	THA1 - This LED is not used.
	THA2 - Indicates that the control unit temperature is abnormal and the printer will shut down. You must disconnect then reconnect the main power from the printer to extinguish this LED
	EPO - Indicates that the Emergency Power Off switch has been operated.
	UPC - Indicates that the UPC is abnormal.

Autoload panel

The autoload panel is used to load paper automatically and can be found at the right side of the printer.


EMERGENCY
STOP
FORMS LOAD
LOAD
CANCEL
FORMS LENGTH
12.0
/6
LONG
SHORT
ONE DECIMAL
PERFORATION NUMBER
12
FORMS
FORWARD
REVERSE
FOLD OUT/IN SELECT
FOLD OUT
FOLD IN
RSV

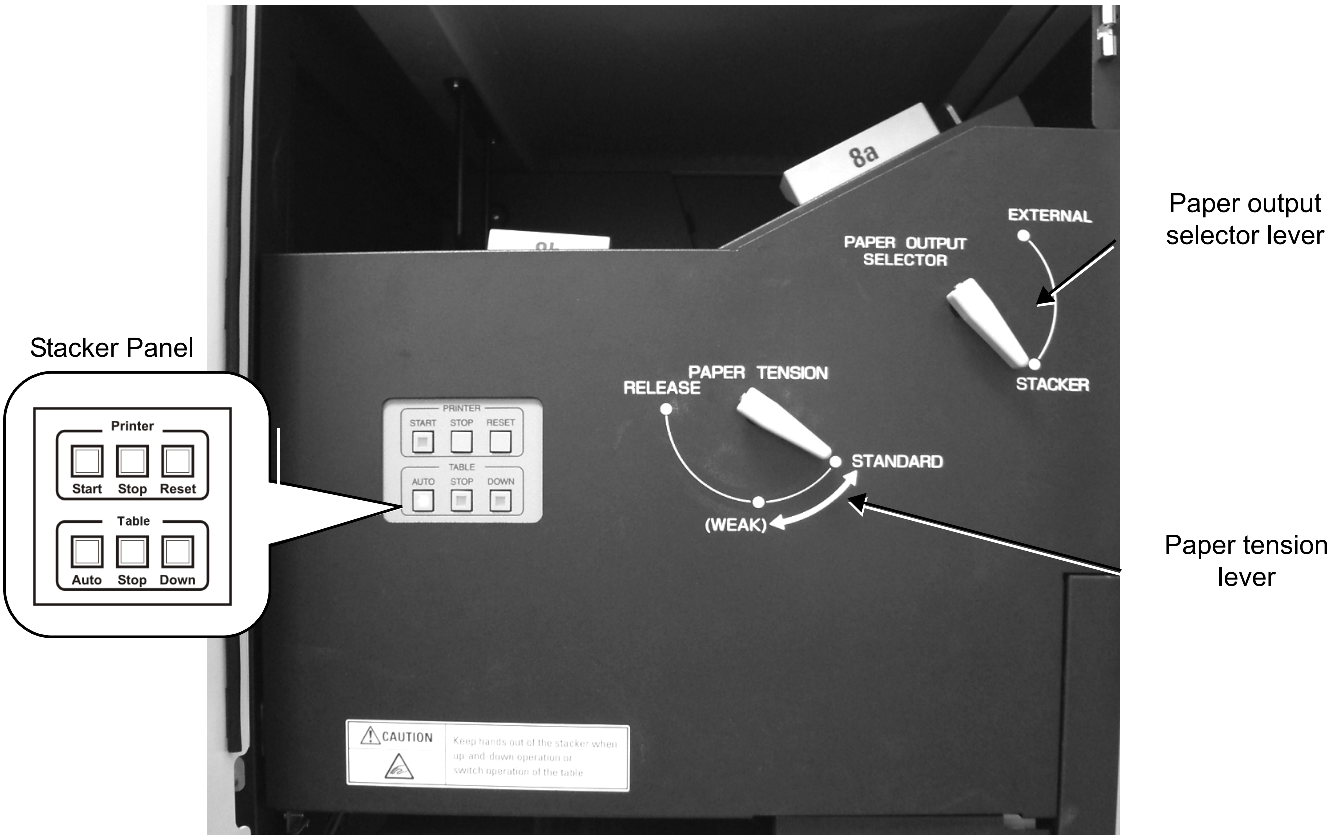
The components are shown in the following table:

Name	Function	Effectiveness
Emergency switch	Hit this switch to stop the printer engine and paper handling devices in the event of an emergency. It requires a key to reset. The emergency switch is for emergency use only. Using this switch may destroy data in the system.	Effective always.

Name	Function	Effectiveness
Forms Load	**Load** Feeds paper automatically to the stacker table when pressed with paper set on the tractor. This function is called autoload. The main operator panel displays “Autoloading” If paper is set up to the stacker, the paper width is measured. Then the main operator panel displays “Measuring paper width”.	Effective when the printer is not operating. While the paper is automatically being loaded, the LED of this switch remains lit.
	Cancel Press this switch to stop autoloading immediately.	Effective during autoloading.
Forms Length	Sets the length of the form in inches. The display will show the value entered. Any changes made here will change the perforation number. **Long** Increments the units by 1 for each press of the button. **Short** Decrements the units by 1 for each press of the button **One decimal** Increments the decimal position by 1/6 inch for each press of the button	Effective when the printer is not operating and has no paper inside.
Perforation number	Defines the position of the perforation on the tractor scale.	Effective during autoloading.
Forms	**Forward** Feeds paper 1/6” (4.2mm) toward the stacker. Holding down this switch feeds the paper continuously.	Effective when the printer is not operating
	Reverse Feeds paper 1/6” (4.2mm) toward the hopper. **Note:** *For complete data fusing, press this switch to align perforation.*	Effective when the printer is not operating
	Note: *If the forward / reverse button is pressed during a job (Data LED on), the printer considers that the operator wants to realign the position of the paper, and therefore discards data buffers and report a sense to the host. The host will then re-send the pages.*	
Fold-out/in select	Selects the swing guide direction. This switch is used to select fold-out/ in at perforation before autoloading and after a paper jam is removed and the paper length is aligned with the tractor scale. The corresponding lamp will indicate the setting.	Effective when the printer is not operating
RSV	Reserve switch	

Stacker panel

The stacker panel is at the top of the stacker. Open the right stacker door on the front of the printer to use the stacker panel.


Stacker Panel
Printer
Start
Stop
Reset
Table
Auto
Stop
Down
PRINTER
START
STOP
RESET
TABLE
AUTO
STOP
DOWN
8a
PAPER OUTPUT SELECTOR
EXTERNAL
STACKER
PAPER TENSION
RELEASE
STANDARD
(WEAK)
CAUTION
Keep hands out of the stacker when up and down operation or switch operation of the table
Paper output selector lever
Paper tension lever

The components are shown in the following table:

Name	Function
Printer Start switch	This has the same function as the Start button on the touch screen (see page 26).
Printer Stop switch	This has the same function as the Stop button on the touch screen (see page 26).
Printer Reset switch	This has the same function as the Reset button on the touch screen (see page 26).
Table Auto switch	Automatically lifts the table to the height suitable for paper folding. Then the paper guide moves to the set level. If this is operated when printing, an error will occur. When the paper output selector lever does not have the stacker selected, it is disabled.
Table Stop switch	Stops lifting or lowering the stacker table. If this is operated when printing, an error will occur. When the paper output selector lever does not have the stacker selected, it is disabled.
Table Down switch	Lowers the stacker table. The paper guide opens to the specified position and stops. If this is operated when printing, an error will occur. When the paper output selector lever does not have the stacker selected, it is disabled.
Paper output selector lever	Used to select whether the paper will be output to the stacker or to another post-processing device.

<table>
<tr><th>Name</th><th>Function</th></tr>
<tr><td>Paper tension lever</td><td>Select the position of the lever according to requirements as follows:
<table>
<tr><th>Lever position</th><th>Use</th></tr>
<tr><td>Standard</td><td>Ordinary printing</td></tr>
<tr><td>(Weak)</td><td>Using special paper</td></tr>
<tr><td>Release</td><td>Removing a paper jam</td></tr>
</table>
The lever is set to the weak position when using special paper.</td></tr>
</table>

Paper forward and reverse switch panel

The Paper Forward/Reverse switch is at the upper part on the front of the printer.

Name	Function	Effectiveness
Forward	Feeds paper 1/6” (4.2mm) toward the stacker. Holding down this switch feeds the paper continuously.	Effective when the printer is not operating
Reverse	Feeds paper 1/6” (4.2mm) toward the hopper.	Effective when the printer is not operating

Note: *These switches have the same functions as the Paper Forward and Reverse switches on the autoload panel.*

Pre- and post-processing equipment

Paper input to the printer may come from a pre-processing device such as an unwinder or from a paper box at the hopper.

Paper that has been processed can be delivered to an external post-processing device such as a cutter, folder or rewinder.

The Print Line Bus (PLB)

The Print Line Bus (PLB) connects all devices in a defined print line. It is made up of PLB boxes connected to each other. Each PLB box is also connected to a single device.

The PLB box is unique to the device to which it is attached. This can be pre- and post-processing devices as well as printers.

The defined print line or print line segment will comprise a number of devices, all connected through the PLB. A print-line segment comprises only one data master, but can have several paper masters. All devices in a given print-line segment have to be available for the segment to be selected.

Identifying the PLB boxes

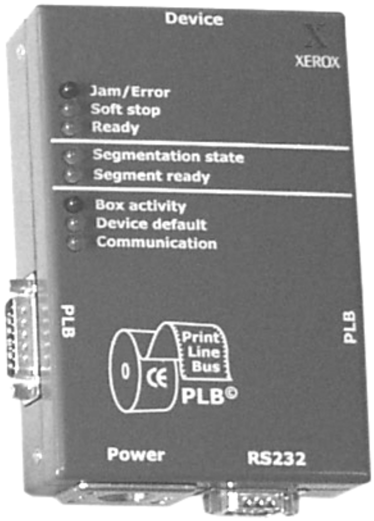
Each PLB box is identified by a unique hexadecimal code which is configured into the system at installation.

Cabling the PLB

Each cable must match the device to which it is attached. These will be correctly installed at installation of the printing system.

CAUTION

Using the wrong cable could cause damage to the equipment.



The PLB box has five connectors. Each PLB box must be connected to the next PLB box through the PLB network cable connected at either side of the box. Both end PLB boxes are terminated with a PLB terminator.

Each PLB Box is linked to its device through a dedicated cable through the Device connector.

Each print line segment is powered at only one PLB box. Power is supplied to the PLB box from a low voltage power supply and is transferred to the rest of the PLB boxes through the PLB network cables.

It doesn’t matter which PLB box in the print line segment provides the power for the PLB, however, each print line segment must have only one source of power.

The RS232 connection is used by support personnel to maintain the PLB box. It is also used by the printers to carry communications data.

Characteristics

The maximum length of PLB cable between the first PLB box and the last is of 100 metres (330 feet).

Up to 10 PLB boxes can be networked on the PLB.

Segmentation

The segmentation of the print line is possible through the PLB.

Segmentation is the ability to assemble devices in a number of ways to form the print line required. Each device available in the print room is connected to its PLB box. All PLB boxes are linked together.

The idea of segmentation is to allow you to define as many print lines as you require, according to the devices available. These print line definitions can then be recalled at any time. See "Defining a paper path" on page 7-21.

Each print line has to be defined under a separate name. For example:

- cutter line 1
- folder line 2

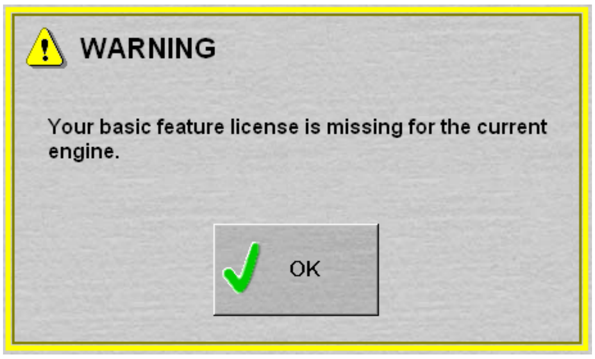
Note: *You should name each print line clearly enough to be able to recognize it easily. It may be useful to label each device so as to be sure that all devices required by a defined print line are suitably prepared for the job. For example if the unwinder defined by the print line is not ready, it will show the status not ready and no work will be produced.*

Licensing

There are two licenses associated with the Xerox 495 Continuous Feed Duplex Printer:

- **XRX_XE495CF** - Without this license the printer is prevented from operating. The license enables you to put an attachment online, to start a job and to make a software upgrade.
- **XRX_BasicDiagCF** - Without this license access to engine diagnostics will not be available to Maintenance or Support users.

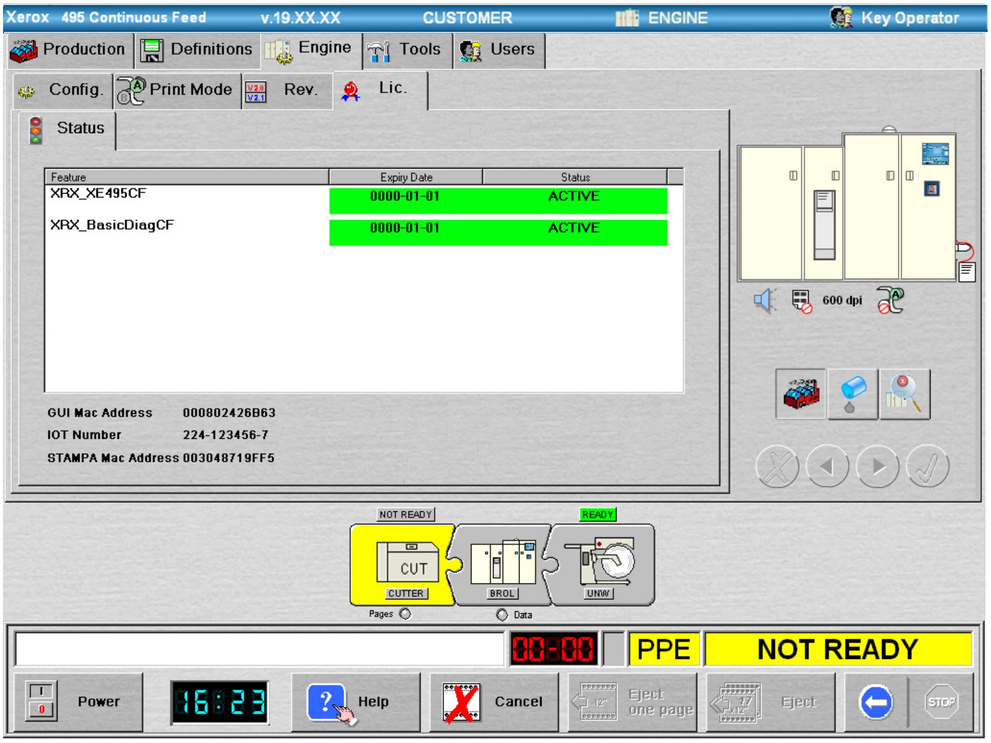
When a license has expired and you try to put an attachment on line, the following message will be displayed.



Your basic feature license is missing for the current engine.

Thirty days before the license expires, a warning will be displayed when Start is pressed after a four hour period.

You can view the status of the licenses on the system from the **Engine>License>Status** tab.


Xerox 495 Continuous Feed
v.19.XX.XX
CUSTOMER
ENGINE
Key Operator
Production
Definitions
Engine
Tools
Users
Config.
Print Mode
Rev.
Lic.
Status
600 dpi
NOT READY
READY
CUT
CUTTER
BROL
UNW
Pages
Data
00-00
PPE
NOT READY
Power
16:23
Help
Cancel
Eject one page
Eject
STOP

Feature	Expiry Date	Status
XRX_XE495CF	0000-01-01	ACTIVE
XRX_BasicDiagCF	0000-01-01	ACTIVE

GUI Mac Address	000802426B63
IOT Number	224-123456-7
STAMPA Mac Address	003048719FF5

The table is divided in three columns.

- **Feature** - If there is a feature name in the current license.dat, the name will appear in this column.
- **Expiry Date** - This column displays the expiry date of the license for each feature recognized.
- **Status** - The licenses can either be:
  - **Active:** the license is operational. These licenses are denoted by a green background.
  - **Expiring:** the license for this feature is still operational for maximum of 30 days. These licenses are denoted by an orange background.
  - **Expired:** the license for this feature has expired. These licenses are denoted by a red background.
  - **Wrong:** the license file has been altered. These licenses are denoted by a white background.
  - **Invalid:** the license file does not correspond to the printer. These licenses are denoted by a red background.
  - **Wrong version:** the license file does not correspond to the software package version. These licenses are denoted by a red background.

Renewing the license

You should check the expiry of your licenses on a regular basis.

Contact your dealer to renew your licenses.

3. Getting started

This chapter tells you:

- How to switch the printer on and off including emergency stop procedures.
- How to use the on-line help provided at the touch screen.
- Making general configurations
- Setting Print Modes
- How to change your user role.

⚠ **WARNING**

Operator tasks identified in this chapter should only be completed if the required training has been given to enable the tasks to be completed without risk or injury.

⚠ **WARNING**

When completing any of the tasks in this chapter, observe all applicable warnings as indicated in the user precautions.

⚠ **WARNING**

When the printer is ready, it is under the control of the attached host system and can start without warning.

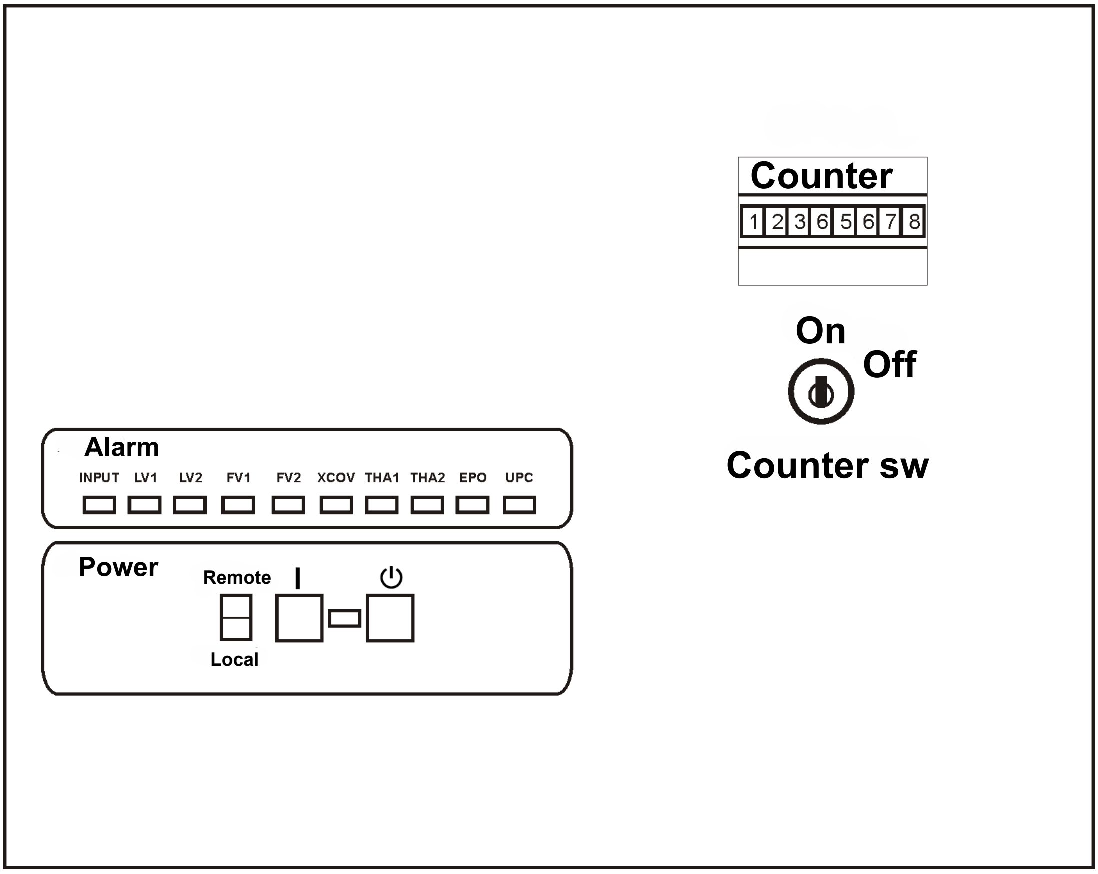
Switching the printer on and off

Power to the printer can be switched on at the sub-operator panel (Local) or remotely (Remote) from an external device.

Local power on and off

To switch on the printer:

1. Check that the main power switch is set to ON. The main circuit breaker is situated to the rear of the machine, close to the power cable in the bottom left-hand corner.
2. Open the small door on the right panel to access the sub-operator panel.


Counter
1 2 3 6 5 6 7 8
On
Off
Counter sw
Alarm
INPUT
LV1
LV2
FV1
FV2
XCOV
THA1
THA2
EPO
UPC
Power
Remote
I
Local

3. Make sure the REMOTE/LOCAL switch is set to LOCAL.
4. Press **I** , the POWER ON switch on the sub-operator panel.

   The touch screen goes through self tests before displaying the user interface.

Note: *This could take several minutes.*

   The printer warms up.

5. Switch on any pre- and post-processing devices following the instructions in the appropriate User Manual.

To switch off the printer:

This procedure switches off the printer engine and the controller. To switch off the engine only, press the Power button on the Production screen.

Notes:

When turning the power off, check that the green lamp of the fuser is lit. It takes up to four and a half minutes until the green lamp at the fuser lights.

If the power is turned off immediately after printing, paper may be scorched at the fuser. (Even after printing, the cooling fan will operate to cool the fuser. Once the fuser temperature has reached a safe level, the green lamp at the fuser lights.)

Do not attempt to power the printer off when the data lamp is green or during economy mode switching. Doing so will result in errors when you power the printer back on.

1. Ensure that all jobs are finished.
2. Press the **STOP** button on the touch screen to set the printer to **Not Ready**.
3. Switch the Attachment offline by pressing the **Online** button.
4. Open the small door on the right panel to access the sub-operator panel.
5. Press ⏻, the **POWER OFF** switch on the sub-control panel.
6. Switch off the mains power isolator (circuit breaker), if necessary.
7. Switch off any peripheral devices following the instructions in the appropriate User Manual.

Remote powering on and off

Provision is made for a master device to remotely power on and off a printer where the main power isolator is turned on. This is only possible where the master device is physically connected to the printer through a connector provided for the purpose, when the REMOTE/LOCAL switch on the sub-operator panel is set to REMOTE and the master device activates the correct signals.

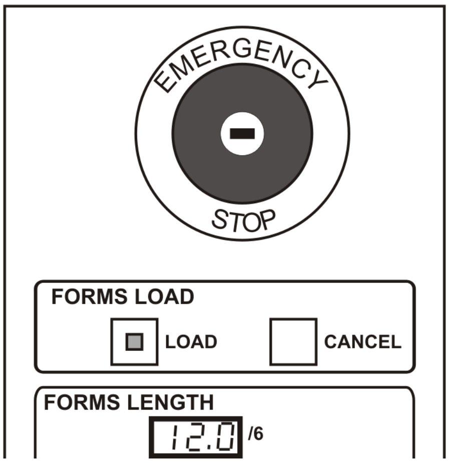
Three signals are used:

- Power Pick will cause the printer to power up until a power ready signal is received.
- Power Hold maintains power on until it is deactivated.
- Power Ready is generated by the printer to signal to the master device that it is powered on.

Both Power Pick and Power Hold must be activated to power the printer on.

Emergency stop

The emergency stop is a strike button mounted above the autoload panel on the right end door of the printer engine.



This will force the engine to turn off immediately and execute a controlled shutdown for the controllers.

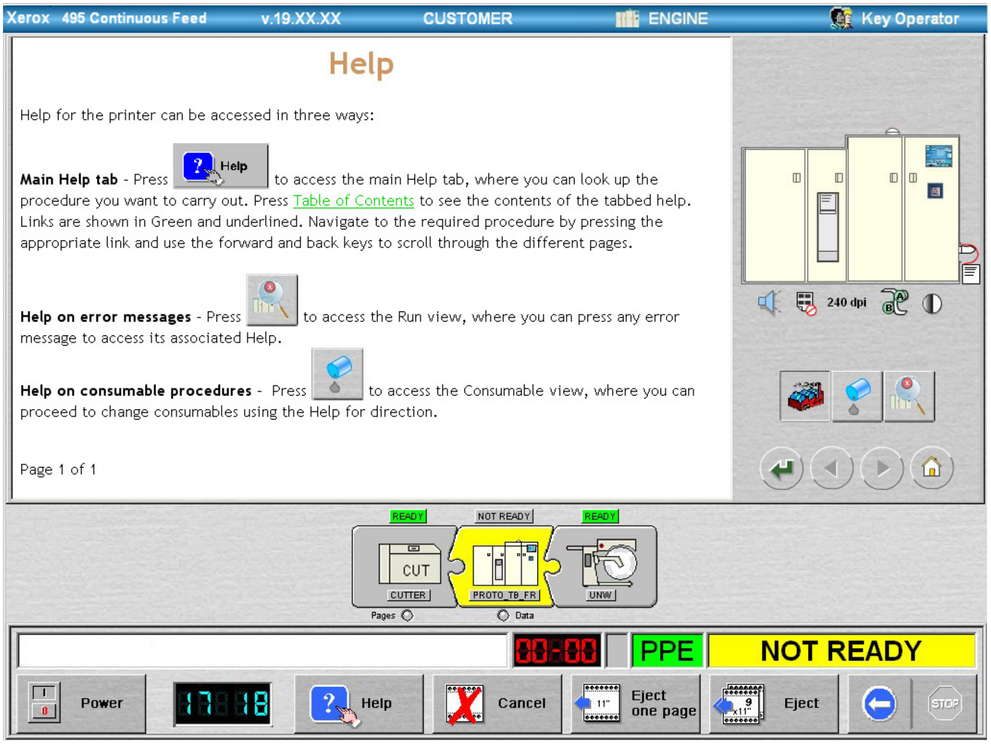
After being activated, a key is needed to reset it.

If a pre- or post-processor is attached to the printers emergency power off loop, operating the emergency power of switch on the device will also cause a shutdown.

Using help

Your printer has built-in help, which can be accessed in a number of ways:

1. In the form of a book with a table of contents leading you to the procedure you want to carry out. This is accessed by pressing the **?** Help button.



Help

Help for the printer can be accessed in three ways:

Main Help tab - Press Help to access the main Help tab, where you can look up the procedure you want to carry out. Press Table of Contents to see the contents of the tabbed help. Links are shown in Green and underlined. Navigate to the required procedure by pressing the appropriate link and use the forward and back keys to scroll through the different pages.

Help on error messages - Press to access the Run view, where you can press any error message to access its associated Help.

Help on consumable procedures - Press to access the Consumable view, where you can proceed to change consumables using the Help for direction.

Page 1 of 1

The links to the procedures are shown in green and underlined. Navigate to the required procedure by pressing the appropriate link.

Press the Table of Contents link to start the navigation through the help.

You can use the ▶ and ◀ keys to scroll through the different pages, the ⌂ key to return to the initial page and the ↵ key to close the help and display the last tabbed page that you used.

2. Help in clearing **Error Messages**. This can be accessed from the Run view or from the Status bar by pressing the error message. Some of these help screens have links to the relevant section under the **Help** tab. See “Clearing errors” on page 2.

3. Operational help when replacing consumables is provided when you are in the **Consumables View** and you press the **Change** button for the consumable. Successful replacement of consumables relies on you following these help instructions in the sequence they appear. See “Checking consumable use” on page 4.

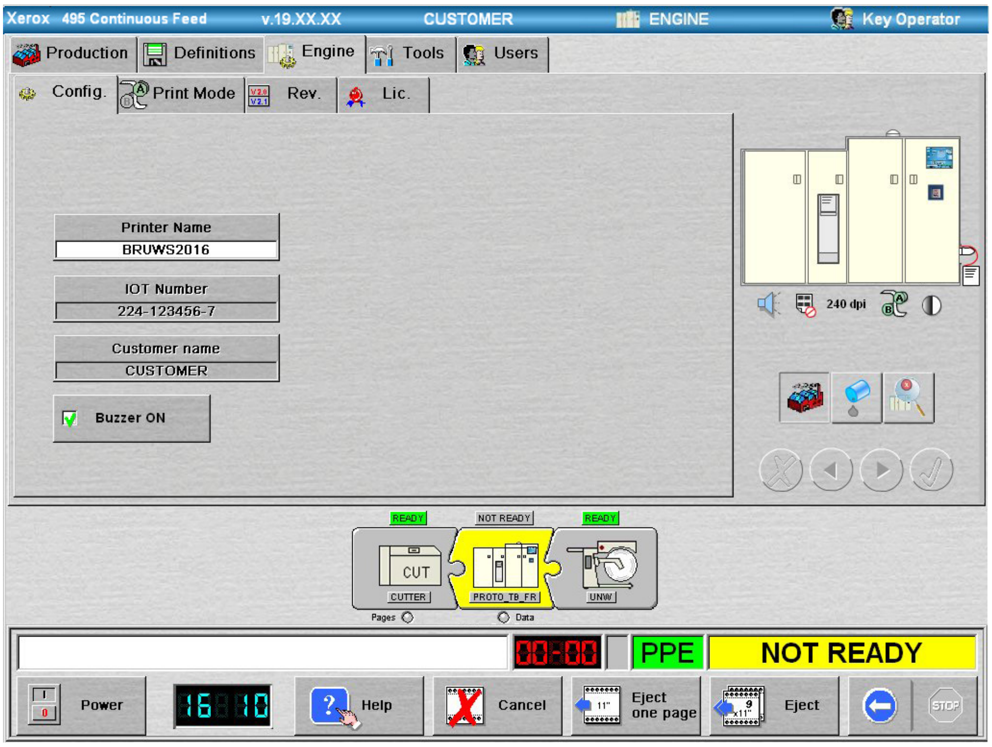
Making general configurations

For each printer engine, the Key Operator can give the printer a name and switch the warning buzzer on or off. In addition, the Support user can enter a Customer name to be displayed in the title bar.

To make general configuration changes:

1. Press the ⬅ STOP to make the printer engine **Not Ready**.
2. Select the **Engine** tab, then the **Config.** tab.

   The **Configuration** screen is displayed.


Xerox 495 Continuous Feed
v.19.XX.XX
CUSTOMER
ENGINE
Key Operator
Production
Definitions
Engine
Tools
Users
Config.
Print Mode
Rev.
Lic.
240 dpi
READY
NOT READY
READY
CUT
CUTTER
PROTO_TB_FR
UNW
Pages
Data
00:00
PPE
NOT READY
Power
16:10
Help
Cancel
Eject one page
Eject
STOP

Printer Name: BRUWS2016

IOT Number: 224-123456-7

Customer name: CUSTOMER

☑ Buzzer ON

3. Select the **Printer Name** field.

   A keyboard is displayed. Type in the name of the printer that you want to see in the title bar.
4. Check the **Buzzer ON** box to activate the buzzer which will sound in the event of an error. This will show the buzzer icon as activated below the printer diagram.

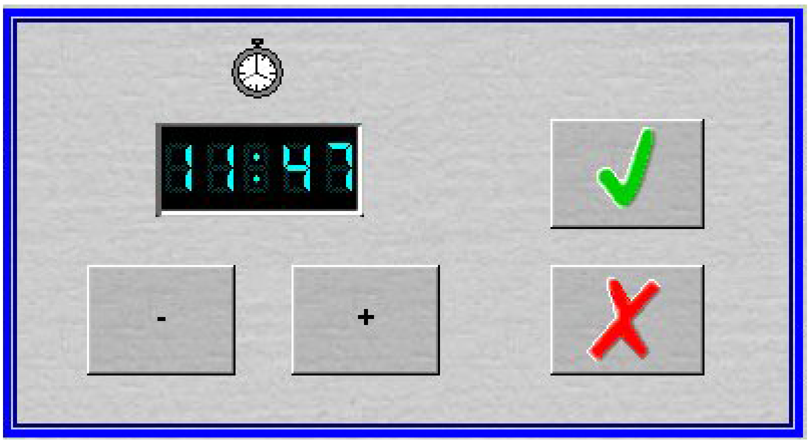
Setting the time on the screen

The time displayed on the screen can be changed. This will change the time in the controller and on the screen.

To change the time:

1. Press on the time section of the display.

   A time adjust dialog will be displayed.



2. Press the + button to increment the time by 1 minute or the - button to decrement the time by 1 minute.
3. Continue until you have the desired time displayed.
4. Press ✓ to confirm, or ✗ to discard changes.

Setting print modes

Note: *The counters referred to in this section are located in the Run view (touch screen) and not the mechanical counter on the sub-operator panel. The mechanical counter counts drum rotations and not pages.*

The Print Mode tab is provided to enable or disable the following print mode features:

- The **Both Side Printing Enabled** box – when checked, this enables duplex printing.
- The **Print Mode Switching Enabled** box – when checked, this reduces lost production due to the time it takes to switch between duplex and simplex mode.
- The **Economy Mode box** - when checked, this will remember the mode of the last job before power off and start up in the same mode. If this box is not checked, the printer will power up in duplex mode. This feature is only available if Print Mode Switching has been enabled.

The choice is a balance between economy of time and economy of printer consumables.

Setting print modes can be done in the following three different ways:

1. **Both Side Printing enabled and Print Mode Switching disabled**

- When a duplex job is received, the printer prints in duplex mode and 2 pages are added each time to the counter.
- When a simplex job is received, the printer prints in simplex mode but, because both engines are running, 2 pages are added each time to the counter.

2. **Both Side Printing disabled and Print Mode Switching disabled**

- When a simplex job is received, the printer prints in simplex mode and, because only one engine is running, 1 page is added each time to the counter.
- When a duplex job is received, the printer goes into error and cannot print. This is because only one engine is running. To correct the error, manually activate Both Side Printing. The printer will start to print as soon as the second engine is ready.

3. **Both Side Printing enabled and Print Mode Switching enabled**

- If you check the Print Mode Switching Enabled box, press the Number of Simple Side Forms Before Print Mode Switching box and enter the number of pages (10 is the minimum). When you enter a number that is not a multiple of 10, it will be rounded up to the next multiple of ten (8 will become 10, 12 will become 20).
- When a duplex job is received, the printer prints in duplex mode and 2 pages are added each time to the counter.
- When a simplex job is received after a duplex job, the printer will continue to print in duplex mode for the number of pages shown in the window before switching into simplex mode.

  Note: *Duplex mode in this case means that the simplex data will be printed and the back page data will be blank.*

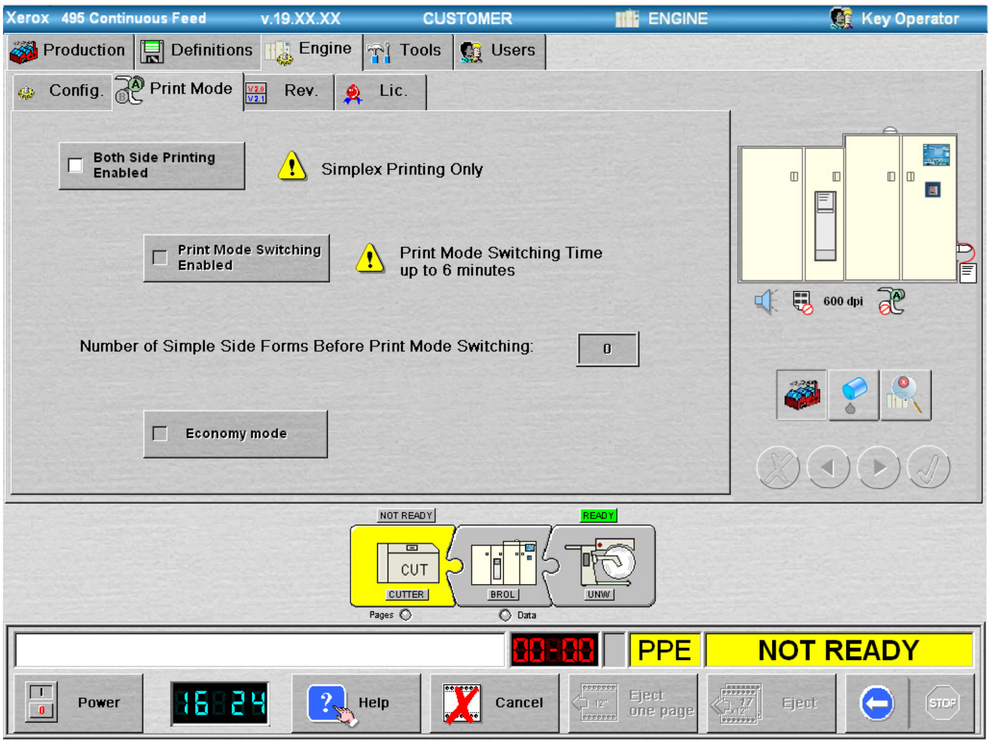
  The printer adds 2 pages each time to the counter until it reaches the *indicated number. The printer will then stop, cutting the second engine. After approximately. one minute, the printer will restart in simplex mode and 1 page will be added each time to the counter.*

- When a duplex job is received after a simplex job, the printer will stop and then initialize the second engine. This can take up to 6 minutes. Once printing, 2 pages will be added each time to the counter.
- If the value is zero, then simplex mode is disabled.

To set the print mode:

1. Select the **Engine** tab, then the **Print Mode** tab.

   The **Print Mode** screen is displayed.



☐ Both Side Printing Enabled

Simplex Printing Only

☐ Print Mode Switching Enabled

Print Mode Switching Time up to 6 minutes

Number of Simple Side Forms Before Print Mode Switching: 0

☐ Economy mode

Xerox 495 Continuous Feed
v.19.XX.XX
CUSTOMER
ENGINE
Key Operator
Production
Definitions
Engine
Tools
Users
Config.
Print Mode
Rev.
Lic.
600 dpi
NOT READY
READY
CUT
CUTTER
BROL
UNW
Pages
Data
00-00
PPE
NOT READY
Power
16 24
Help
Cancel
Eject one page
Eject
STOP

2. Check the boxes required.

   If you check the Print Mode Switching Enabled box, press the Number of Simple Side box and enter the number of pages to be printed before switching into simplex mode.

Changing user roles

There are four user roles defined: Operator, Key Operator, Maintenance and Support. When the machine is first switched on or after a timeout period specified for all other users, touch screen access reverts to the Operator User. All users other than Operator have a password controlled access to the facilities available.

Note: *The current user role is shown on the top right of the screen.*

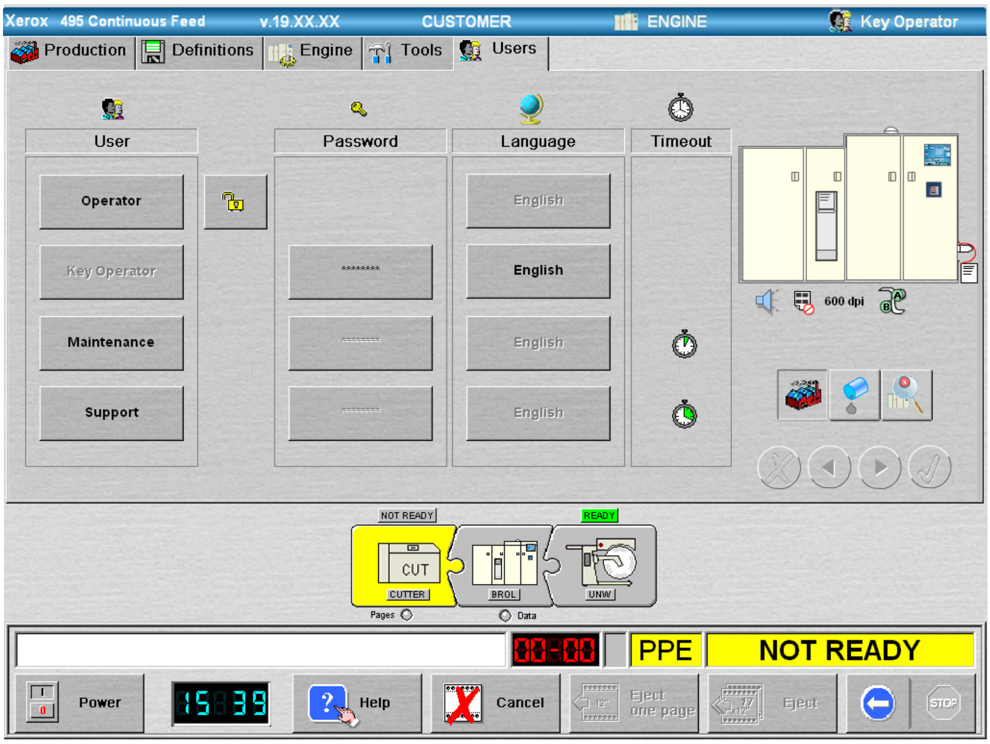
The **Timeout** column shows the duration for which, **Maintenance** or **Support** users get access to their respective tasks. These times are set at the values shown (one hour and four hours respectively).

The Key Operator can provide access to the Notebook for the Operator to make changes that affect the paper and application settings defined for a job See “Setting locked components” on page 11.

To change your user role:

1. Select the **Users** tab.

   The Users screen is displayed which is used to define the role and passwords for different types of users.


Xerox 495 Continuous Feed
v.19.XX.XX
CUSTOMER
ENGINE
Key Operator
Production
Definitions
Engine
Tools
Users
User
Password
Language
Timeout
Operator
Key Operator
Maintenance
Support
****
English
600 dpi
NOT READY
READY
CUT
CUTTER
BROL
UNW
Pages
Data
00-00
PPE
NOT READY
Power
15 39
Help
Cancel
Eject one page
Eject
STOP

2. Press the button in the **User** column that is appropriate to the user role wanted.
3. Press the appropriate button in the **Password** column if the access required is **Key Operator**, **Maintenance** or **Support**.
4. Enter your password using the keyboard and press the ✓ button.

Setting locked components

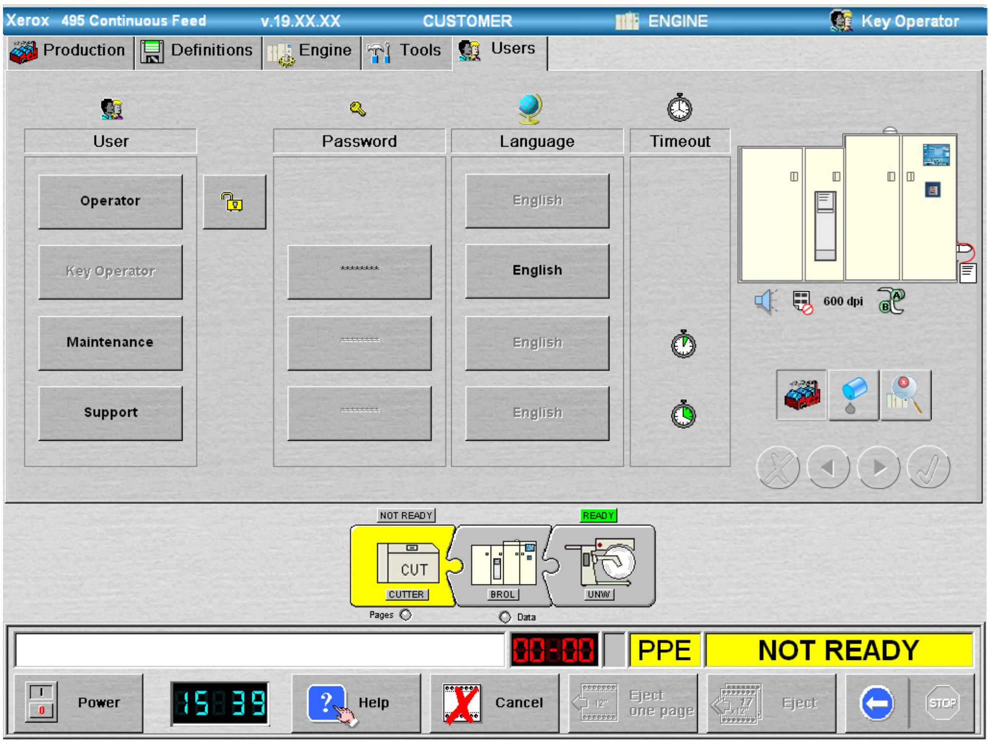
The notebook can be locked or unlocked by Key Operators in order to prevent Operator access to any or all features available in the Notebook.

When the machine starts up for the first time, the Notebook will be closed with the cover displayed.

To change Operator access:

1. Select the **Users** tab.

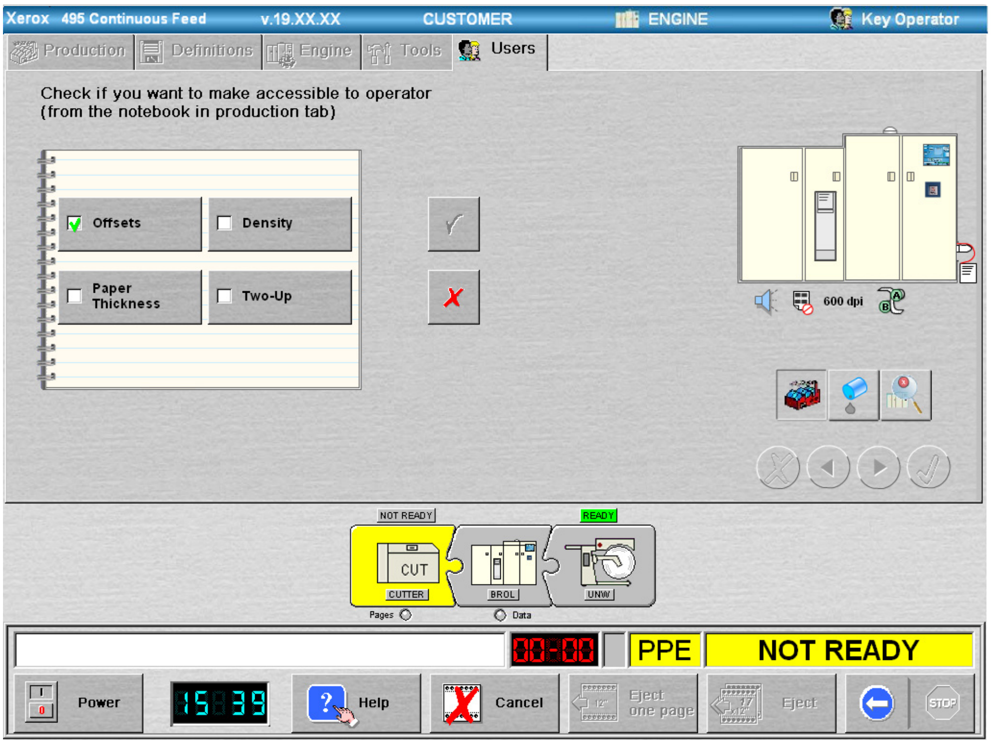
   The Users screen is displayed.


Xerox 495 Continuous Feed
v.19.XX.XX
CUSTOMER
ENGINE
Key Operator
Production
Definitions
Engine
Tools
Users
User
Password
Language
Timeout
Operator
Key Operator
Maintenance
Support
****
English
600 dpi
NOT READY
READY
CUT
CUTTER
BROL
UNW
Pages
Data
00-00
PPE
NOT READY
Power
15839
Help
Cancel
Eject one page
Eject
STOP

2. Press the Key Operator button and enter your password.

3. Press the 🔓 button.

   The screen which allows additional operator access to features is displayed.


Xerox 495 Continuous Feed
v.19.XX.XX
CUSTOMER
ENGINE
Key Operator
Production
Definitions
Engine
Tools
Users
600 dpi
NOT READY
READY
CUT
CUTTER
BROL
UNW
Pages
Data
00:00
PPE
NOT READY
Power
15:39
Help
Cancel
Eject one page
Eject
STOP

Check if you want to make accessible to operator
(from the notebook in production tab)

☑ Offsets
☐ Density
☐ Paper Thickness
☐ Two-Up

4. Check each box where you want to allow operator access to the Notebook.
5. Press ✓.

Changing the password

To change your password:

1. Change to your user role and enter your existing password.
2. Press the password button corresponding to your role.
3. Enter and confirm your new password.

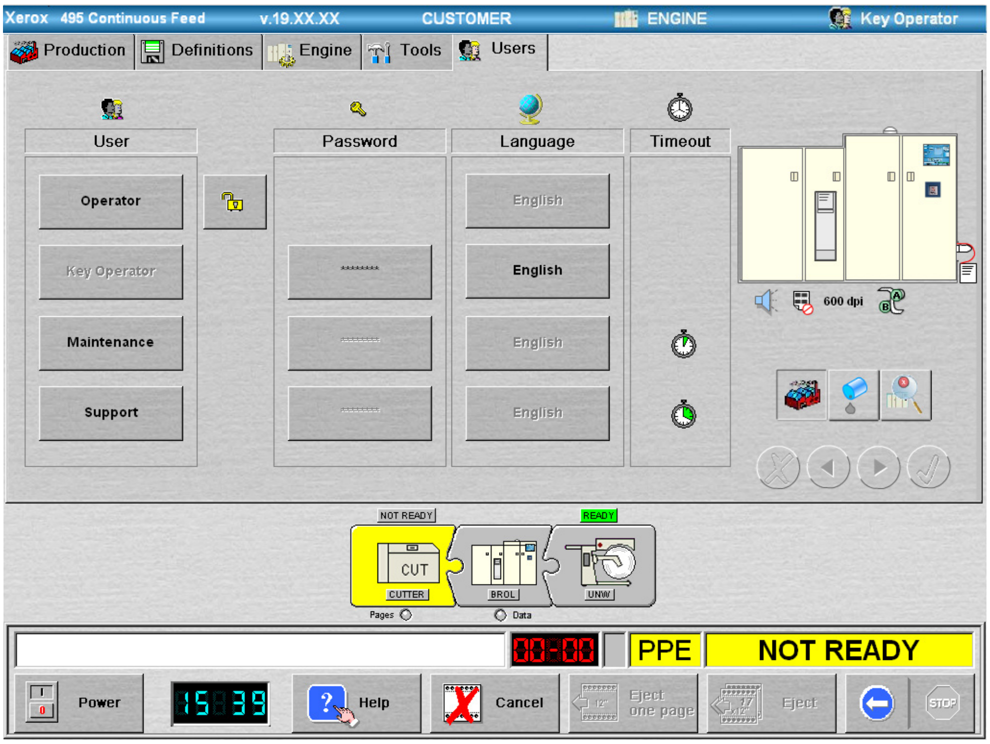
   The next time that you change to your role, you will need to use the new password.

Changing the user language

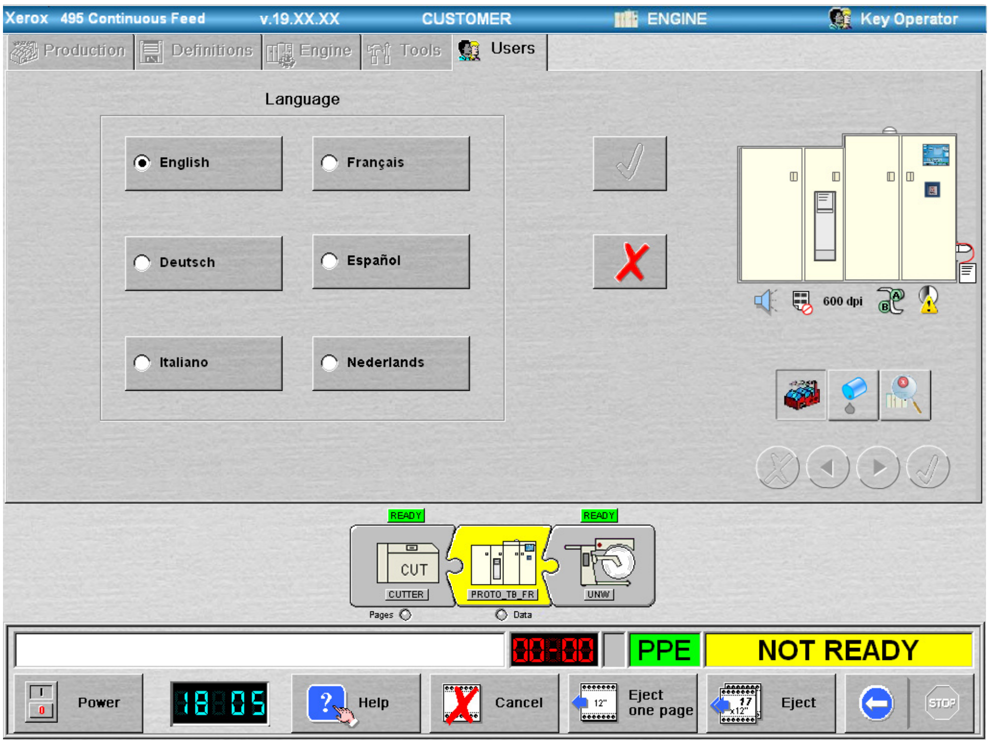
The language of this display can be in English, French (Français), Italian (Italiano), German (Deutsch), Spanish (Espanol) or Dutch (Nederlands). Each user can select their own language.

1. Select the **Users** tab.

The Users screen is displayed.


Xerox 495 Continuous Feed
v.19.XX.XX
CUSTOMER
ENGINE
Key Operator
Production
Definitions
Engine
Tools
Users
User
Password
Language
Timeout
Operator
Key Operator
Maintenance
Support
English
English
English
English
600 dpi
NOT READY
READY
CUT
CUTTER
BROL
UNW
Pages
Data
00:00
PPE
NOT READY
Power
15:39
Help
Cancel
Eject one page
Eject
STOP

2. Press the Language button.


Xerox 495 Continuous Feed
v.19.XX.XX
CUSTOMER
ENGINE
Key Operator
Production
Definitions
Engine
Tools
Users
Language
● English
○ Français
○ Deutsch
○ Español
○ Italiano
○ Nederlands
600 dpi
READY
READY
CUT
CUTTER
PROTO_TB_FR
UNW
Pages
Data
00:00
PPE
NOT READY
Power
18:05
Help
Cancel
Eject one page
Eject
STOP

3. Choose the language.

4. Press ✓.

4. Running production jobs

This chapter describes the procedures used for running production jobs. The contents are:

- Quick start - a checklist for experienced Operators.
- Running jobs - step-by-step instructions.
- Cancelling jobs

⚠ **WARNING**

Operator tasks identified in this chapter should only be completed if the required training has been given to enable the tasks to be completed without risk or injury.

⚠ **WARNING**

When completing any of the tasks in this chapter, observe all applicable warnings as indicated in the user precautions.

⚠ **WARNING**

When the printer is ready, it is under the control of the attached host system and can start without warning.

Quick start

The following is a simplified method for starting a new job.

Note: *You should follow the full procedures if you are new to the printer or unsure of what to do.*

1. Eject the paper and remove the completed job from the output device if you want to use a paper different from the one currently being used.

   If the paper has been output to a pre- or post-processing device see the appropriate user manual.

   If you are feeding paper from a box or an unwinder that is not empty, cut the paper (See “Cutting paper” on page 5-11.).
2. Load the paper (See “Paper Loading” on page 5-3.).
3. Select the print line that you want to use.
4. Select a previously defined job on the Production screen (see "Running jobs" on page 4-3).
5. Check that the parameters shown on the screen are correct (see "Running jobs" on page 4-3).
6. Set the Output Check value, if required (see "Setting the Check Output value" on page 4-9).
7. Start printing.
8. Stop as soon as the first pages are printed and check the alignment, margins and print quality.
9. Start the printer again after making any necessary adjustments.

Running jobs

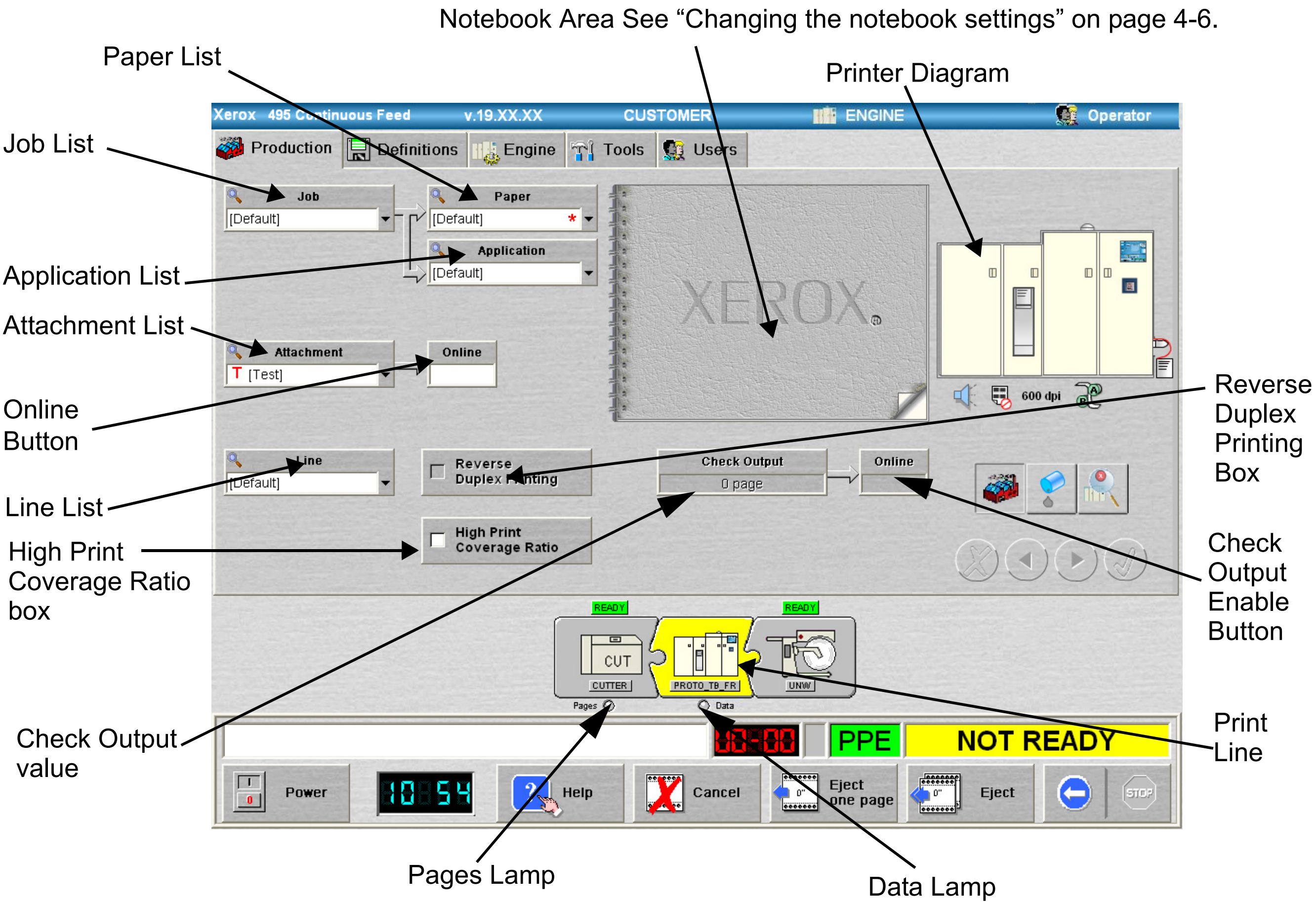
1. Select the **Production** tab.

   The **Production** screen is displayed. This is the normal screen when printing and will be the opening screen. The facilities on this tab are available to all users.

   Note: *The **Notebook** area in the illustration shown below has been unlocked by the Key Operator enabling Operator level users to adjust a number of items relating to the job to be run. See "Changing the notebook settings" on page 4-6.. When the notebook is unlocked, the bottom right corner is turned over as shown in the illustration below.*

   The screen shows a number of indicators and settings used for printing.

   From this screen you can call up a pre-defined job configuration, select and enable the attachment for the job and choose the appropriate print line. You can also modify the job configuration to use a different pre-defined paper or application.


Notebook Area See "Changing the notebook settings" on page 4-6.
Paper List
Printer Diagram
Job List
Application List
Attachment List
Online Button
Line List
High Print Coverage Ratio box
Check Output value
Pages Lamp
Data Lamp
Reverse Duplex Printing Box
Check Output Enable Button
Print Line
Xerox 495 Continuous Feed v.19.XX.XX CUSTOMER ENGINE Operator
Production
Definitions
Engine
Tools
Users
Job
[Default]
Paper
[Default] *
Application
[Default]
Attachment
T [Test]
Online
XEROX
600 dpi
Line
[Default]
Reverse Duplex Printing
High Print Coverage Ratio
Check Output
0 page
Online
READY
CUT
CUTTER
PROTO_TB_FR
READY
UNW
Pages
Data
00-00
PPE
NOT READY
Power
10 54
Help
Cancel
Eject one page
Eject
STOP

The components of the screen are:

- **Job** pull-down list - this is used to choose the name of the job previously defined under the **Definitions>Job** tab. An asterisk (*) is displayed to the right of the job name for any modification made to the job definition. An 'x' is displayed to the left of the appropriate selection for any modification to the **Paper**, or

Application definitions with respect to their original configuration.

Note: Before you can switch between Job and Application, you must first select OFFLINE for Attachment.

- **Paper** pull-down list - this is used to choose the name of the paper previously defined under the **Definitions>Paper** tab. An asterisk (*) is displayed to the right of the name for any modification made to **Paper Thickness** value through the Notebook or through the **Definitions** tab.
- **Notebook area** - the notebook area can display a number of pages that can be used to redefine Paper and Application settings. These pages are only available if permission has been allowed by the Key Operator See “Changing the notebook settings” on page 4-6.
- The **Printer Diagram** shows any possible fault areas and highlights those where action is required.
- The **Reverse Duplex Printing** box is checked when it is necessary to print the back on the first marking unit and the front on the second (see "Front and back marking units" on page 2-2).
- **Check Output** - shows the number of pages to be printed in order to check the output (see "Setting the Check Output value" on page 4-9).
- **Check Output Enable** - When the conditions to enable the Check Output feature are available, this button will be active (see "Setting the Check Output value" on page 4-9).
- **Print Line** - this shows the composition of the chosen print line and the status of each of the items of equipment that form the print line. If you press on an item, a bubble menu will be displayed. The bubble menu is used to select actions to be taken (see "Bubble menus" on page 4-11).
- **Data Lamp** - indicates the device that receives the data (data master). It will be green when there is data, red when data is being discarded and gray when no data is available.
- **Pages Lamp** - indicates that there are unprocessed pages remaining in the paper path.
- The **High Print Coverage Ratio** box is checked in order to reduce paper wrinkle in the following circumstances:

When printing with a long interval between a pause and a restart.

With high-density printing near the bottom of the last page at a printing stop.

Thin paper or other kinds of paper easy to wrinkle.

When checked, this switches on a feature in the printer engine. The check box cannot be changed when the printer is in Ready mode and is grayed out.

Note: *The throughput may go down when printing intermittently because it takes time to heat paper.*

The power consumption and heat under control or under no control differ from those in ordinary mode.

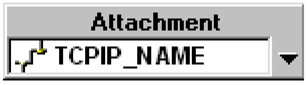
Paper transport at the stop sequence in high printing rate mode *is solely done by the printer and not recognized by the host computer. Therefore, if a paper jam occurs, a duplicate page may be printed as the recovery page.*

- **Line** pull-down list - this is used to choose the name of the Line system previously created under the **Definitions > Line** tab. The print line will change to reflect the components of the chosen line and the status of each of the components.

  Note: *You must deselect the attachment before you choose a new line.*

- **Attachment** pull-down list - this is used to choose the name of an attachment type previously created under the **Definitions > Attachment** tab. Once an attachment is enabled, you cannot change the line.

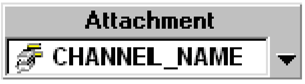
  Note: *Attachments that use the TCP/IP protocol are shown with the TCP/IP symbol and those that use the Channel are shown with the Channel symbol. These symbols are shown in the following illustration.*



Attachment

TCPIP_NAME

TCP/IP symbol



Attachment

CHANNEL_NAME

Channel symbol

- **Application** pull-down list - this is used to choose the name of the application definition previously created under the **Definitions > Application** tab. Changing the emulation or paper width checked box in the **Definitions > Application** tab displays an asterisk (*) on the **Production** tab.

  Note: *You cannot change from an application that is defined for one-up printing to an application that is defined for two-up printing without first draining the host system or disabling the attachment.*

- **Online** indicator and button - this will be green if the printer is connected to the system or white if the printer is disconnected from the system. Press the button to switch between the two. There will be a slight delay when changing the online state while the controller updates.You need to deselect this before changing the print line to be used.

  Note: *By changing from Online to Offline in certain conditions, the following phenomena occur.*

  Changing to offline during connecting to host causes that the connection is reset and host may resend the job from first page. Changing to offline during print position check mode causes the cancellation of print position check mode without returning to original printing position.

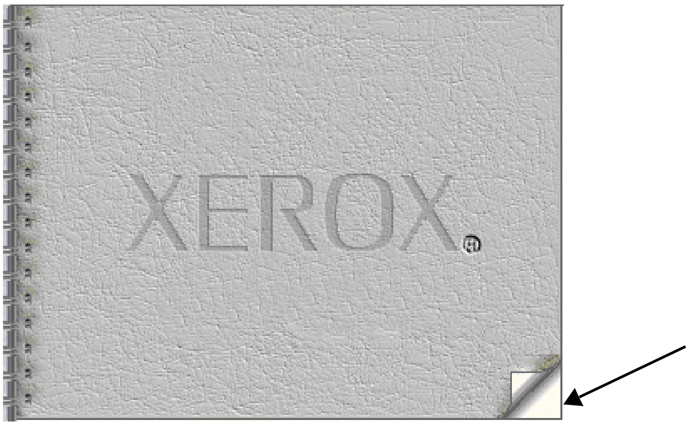
2. Select the **Print Line** that you want to use.
3. Choose the **Job** from the pull-down list.
4. Choose the **Attachment** host and press the Online button.
5. Reset the **Page Counter**, if necessary. You will be asked to confirm your decision.
6. Make any adjustments to the **Notebook** area if necessary and available.

7. Check that the correct paper is loaded in the printer (see "Paper Loading" on page 5-3).
8. Set the Check Output value.
9. Press the ⬅ STOP button to set the printer to a ready state. The job will be printed once the host has sent it.

Changing the notebook settings

Notebook settings are provided to change certain parameters set in a job definition.

Note: *You can only change settings here if you are the Key Operator, or if the Key Operator has provided you with access. If access is allowed, the bottom right corner of the notebook is folded over as shown in the illustration below.*

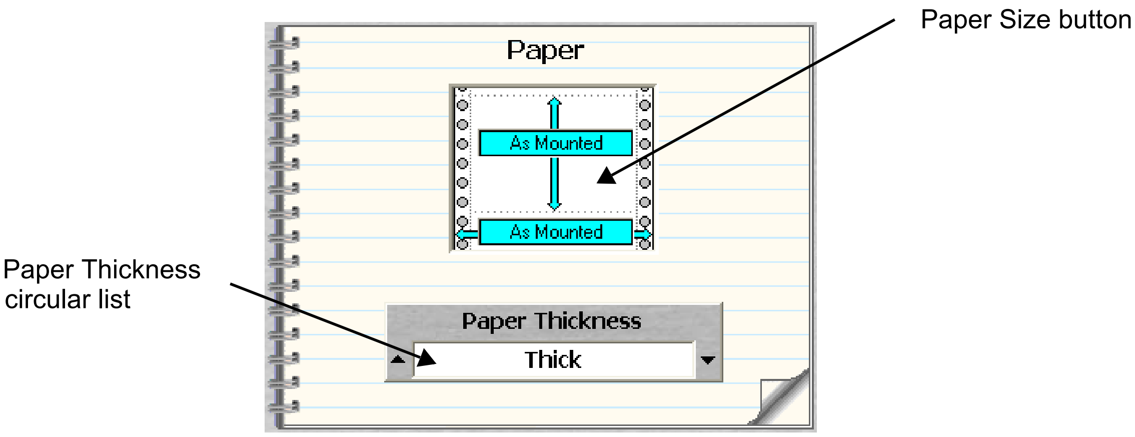


Notebook
Unlocked
Indication

If the Notebook area is available, it comprises four pages. You can change pages by pressing the folded corner.

Notebook paper settings

The paper settings page of the notebook deals with the settings for the different grades of paper and is shown in the following illustration.

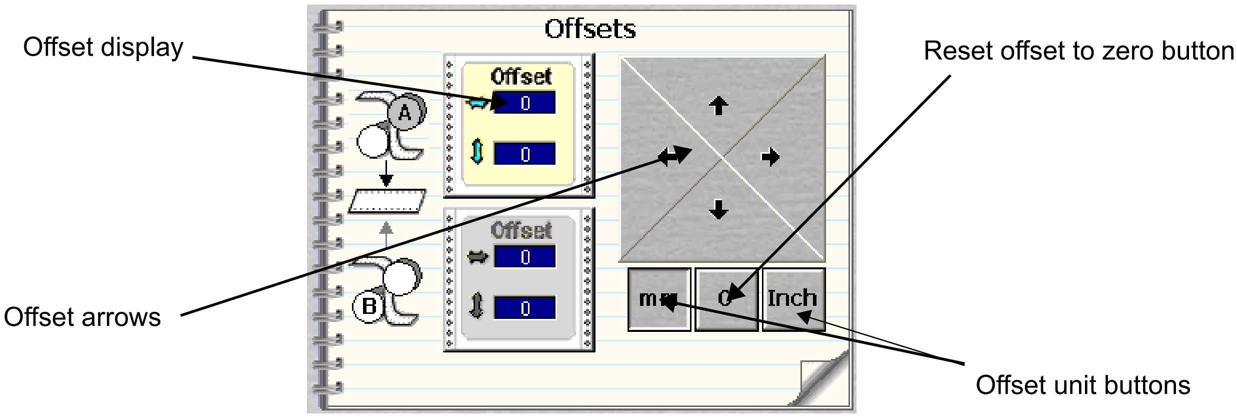

Paper Size button
Paper
As Mounted
As Mounted
Paper Thickness circular list
Paper Thickness
Thick

Paper Size button - displays the paper size defined for the job.

Paper Thickness circular list - is used to choose the paper thickness (thin or thick). An asterisk (*) is displayed to the right of the Paper pull-down list for any modification to the paper thickness with respect to the original configuration.

Notebook offsets

This page of the notebook deals with adjusting the page offset for each marking unit. It is shown in the following illustration.


Offset display
Offsets
Reset offset to zero button
Offset
0
0
A
Offset
0
0
B
Offset arrows
mm
0
Inch
Offset unit buttons

To save the changes you make to the offset in the Notebook, you have to import them into the **Definitions>Application>Main** tab by pressing the button to import the application parameters from the current **Production** screen.

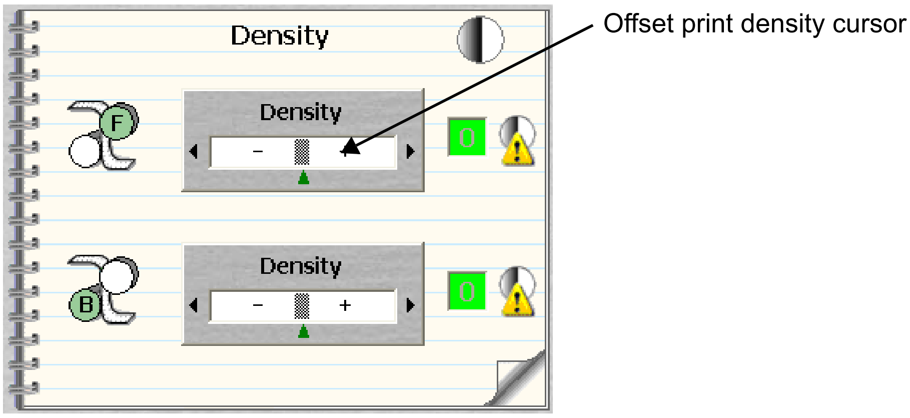
For each marking unit, Front A or Back B (see "Front and back marking units" on page 2-2).

Offset arrows - are used to define the positioning of data on the page in the direction shown by the arrow. For each click of the arrows, the offset increments / decrements in units of 0.1mm or 0.01 inch in that particular direction. An asterisk (*) is displayed to the right of the **Application** pull down list for any modification to the margins with respect to the original configuration.

The settings can be entered in millimeters or inches by pressing the corresponding buttons. The 0 button resets the offset to 0. The settings made will be displayed in the **Offset display** to the right of the arrows.

Notebook density settings

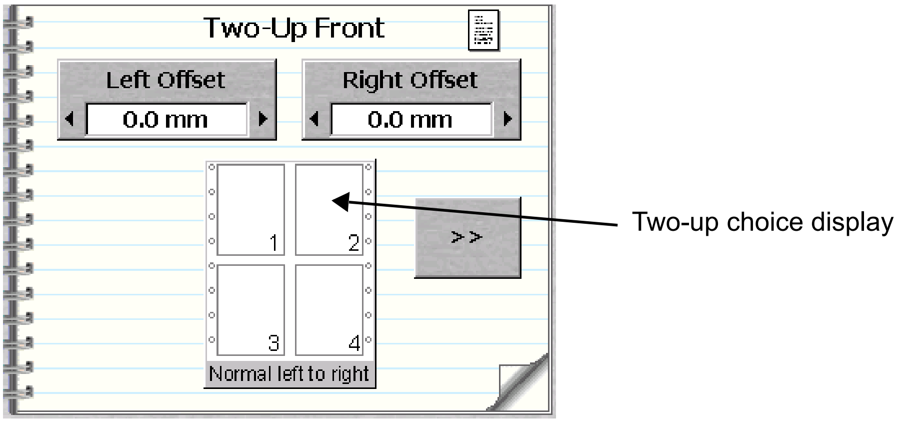
This page displays a density cursor for both sides of the paper and is used to set the image density for both sides. There are five density levels which are pre-defined by the Key Operator under the **Definitions > Application > Density** tab (See "Defining applications" on page 7-12).


Density
F
Density
–
+
0
B
Density
–
+
0
Offset print density cursor

Each press of an arrow key will step the cursor through the five pre-defined density levels for the selected side in the direction pressed.

Notebook 2-up settings

This page of the notebook deals with 2-up printing. The 2-up printing page is shown in the following illustration.


Two-Up Front
Left Offset
0.0 mm
Right Offset
0.0 mm
1
2
3
4
Normal left to right
>>
Two-up choice display

The 2-up choice display shows how 2-up has been defined for the application.

If 2-up is selected, the offset can be changed in inches or in millimeters for each side depending on the setup defined in the **Application** tab. Press the required direction arrows in the appropriate Offset button to set the offset between -0.5” and +0.5” or -0.1mm and +0.1mm.

Offset buttons allow you to precisely position on the sheet where the logical pages (data) will be printed. This is especially useful when using pre-printed paper.

The **left offset button** is used to position the logical page on the left side of the sheet.

The **right offset button** is used to position the logical page on the right side of the sheet.

Note: *In Definitions, you cannot change from an application that is defined for one-up printing to an application that is defined for two-up printing without first draining the host system or disabling the attachment. Any changes made in the Notebook take immediate effect, without first having to drain the host system or disable the attachment.*

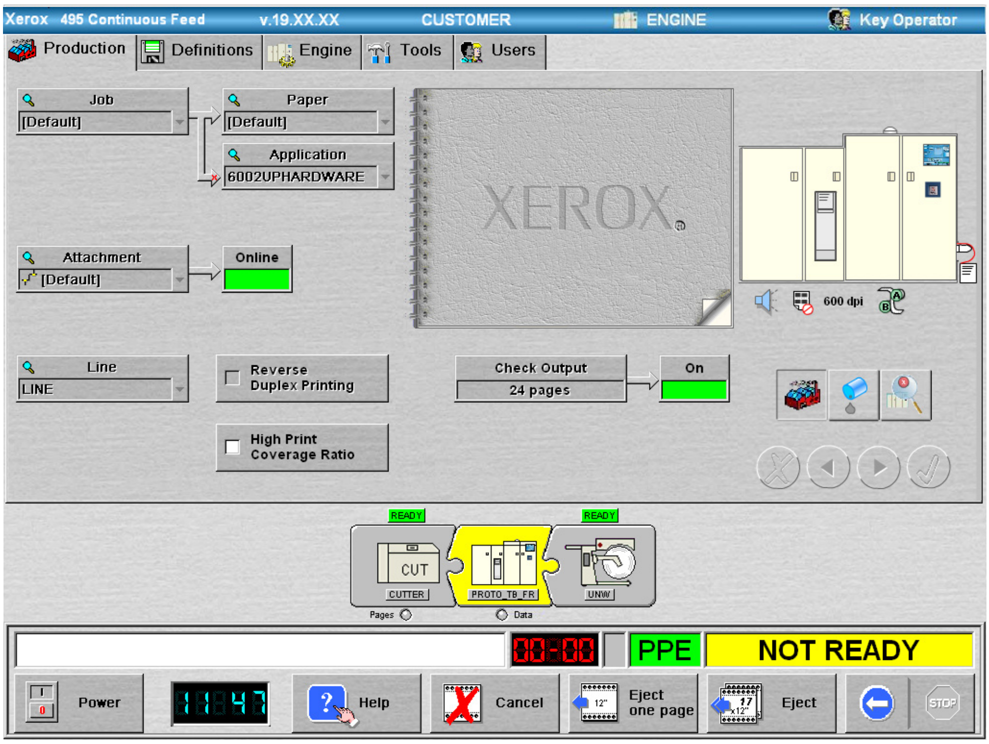
Press >> to view or amend the back side or << to view or amend the front side.

Setting the Check Output value

The Check Output feature allows you to define a number of pages to print in order to visually check their layout before printing the whole job. The printer stops as soon as the requested number of pages has been printed.

1. Make sure that the Check Output Online button is enabled.

The Check Output Online button and the counter are enabled when the line is NOT READY and the attachment is online.



Xerox 495 Continuous Feed v.19.XX.XX CUSTOMER ENGINE Key Operator

Job: [Default]

Paper: [Default]

Application: 6002UPHARDWARE

Attachment: [Default]

Online

Line: LINE

☐ Reverse Duplex Printing

☐ High Print Coverage Ratio

Check Output: 24 pages

On

00:00 PPE NOT READY

By default, the counter displays the value of the previous number of pages entered, even after a power OFF/ON. However, if there was no previous setting, the counter is set to a value of 5.

2. If the number of pages to print for preview is correct, skip ahead to

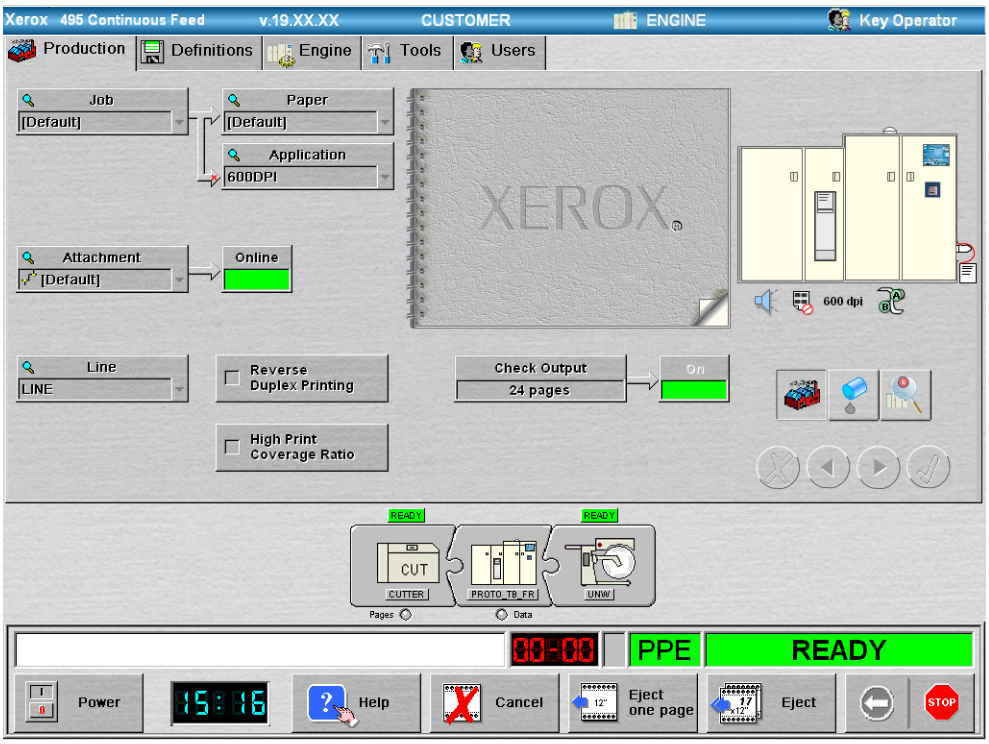
step 7.

3. If the number of pages to print for preview needs to be modified, press the counter button. This opens a touch screen keyboard.
4. Enter the number of pages to be printed (between 1 and 999).
5. Press the ✓ button.
6. Alternatively, press the **Cancel** button to keep the value of the previous number of pages.

You will return to the **Production** tab, the number of pages to be printed will be displayed inside the counter, and the feature is enabled.

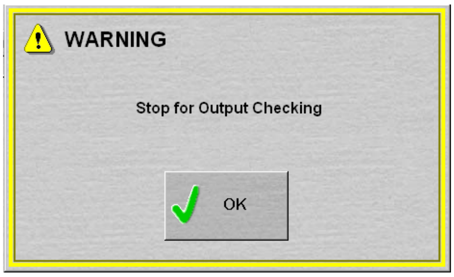
7. Press the **Check Output Online** button to activate the feature. The button will become green and the counter will gray out. To deactivate the feature, press the **Online** button again.
8. Set the printer to Ready in order to start printing.

When READY and/or printing, the **Check Output Online** button remains green but is not accessible and the counter remains grayed out.


Xerox 495 Continuous Feed
v.19.XX.XX
CUSTOMER
ENGINE
Key Operator
Production
Definitions
Engine
Tools
Users
Job
[Default]
Paper
[Default]
Application
600DPI
Attachment
[Default]
Online
Line
LINE
Reverse Duplex Printing
High Print Coverage Ratio
Check Output
24 pages
On
XEROX
600 dpi
READY
READY
CUT
CUTTER
PROTO_TB_FR
UNW
Pages
Data
00-00
PPE
READY
Power
15:16
Help
Cancel
Eject one page
Eject
STOP

9. When the print job is started, the counter decrements while printing and refreshes on a regular basis.
10. When the print job is finished, a notification dialog is displayed to signify that the number of pages that were selected have been

printed. The counter is reset to its original setting.



WARNING

Stop for Output Checking

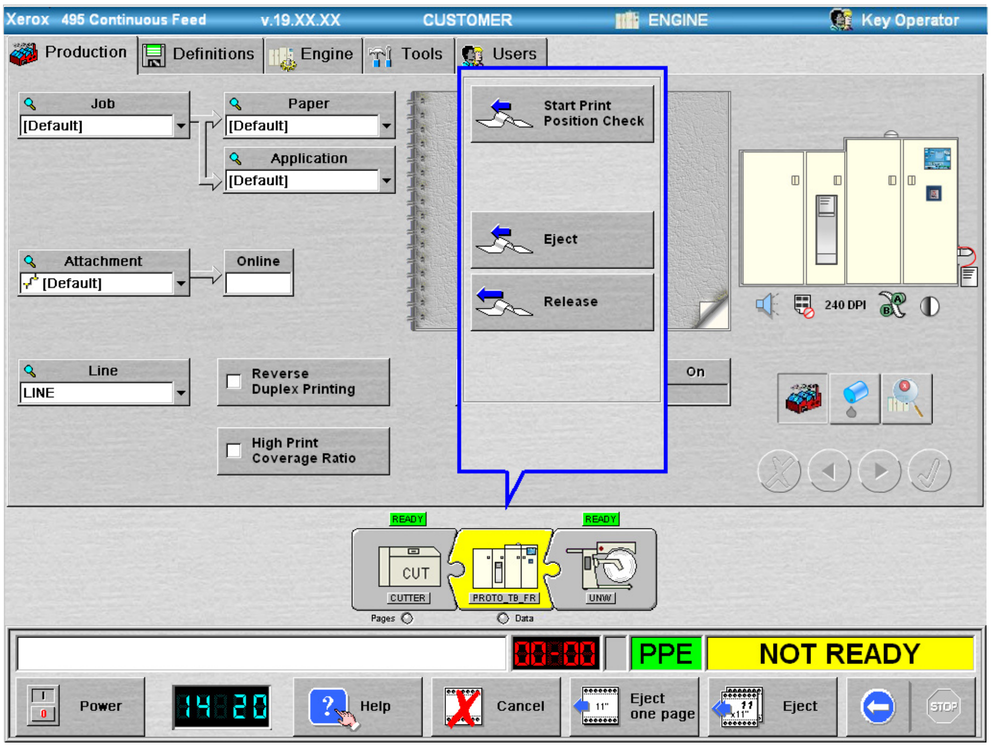
11. Press the ✓ OK button to return to the state where the feature is enabled and accessible but not active. The printer goes back to NOT READY.

Bubble menus

A bubble menu will be displayed when you press on a component in the print line diagram. The menu contents will vary according to the equipment chosen.

The menu contains action buttons and status indicators. The action is carried out when you press the appropriate menu item.

The following illustration shows the bubble menu for the printer.



Xerox 495 Continuous Feed v.19.XX.XX CUSTOMER ENGINE Key Operator

Job [Default]

Paper [Default]

Application [Default]

Attachment [Default]

Online

Line LINE

☐ Reverse Duplex Printing

☐ High Print Coverage Ratio

On

00:00 PPE NOT READY

14:20

Production
Definitions
Engine
Tools
Users
Start Print Position Check
Eject
Release
240 DPI
READY
CUT
CUTTER
PROTO_TB_FR
READY
UNW
Pages
Data
Power
Help
Cancel
Eject one page
Eject
STOP

Bubble menu possibilities

Bubble menu command buttons depend on the exact equipment in the print line. The following bubble menu command buttons are available for the printer.

- Toggle button **Start Print Position Check** / **Stop Print Position Check**:
  - **Start Print Position Check** - When you press this button, paper is forwarded to the stacker and the stacker automatically lowers. This allows you to check the printing status on the stacker table.
  - **Stop Print Position Check** - When you press this button, the paper reverses to its original printing position.

  The **Start / Stop Print Position Check** procedure is:

1.	Set the printer to Not Ready.	Print line device background = yellow. Status window = yellow.
2.	Press the **Start Print Position Check** button.	Paper is forwarded to the stacker. Print line device background = striped yellow/white. Status window = green. The stacker automatically lowers. The printer falls into error. Print line device background = striped red/white. Status window = red. You can now check the printing status on the stacker table.
3.	Press the **Stacker Auto** button.	The stacker raises.
4.	Press the **RESET** button to clear the error.	Print line device background = striped yellow/white. Status window = yellow. **Not Aligned** displayed on the printer icon.
5.	Press the **Stop Print Position Check** button.	The paper reverses to its original printing position. Print line device background = yellow. Status window = yellow.
6.	Set the printer to Ready.	Print line device background = green. Status window = green.

The following bubble menu command buttons are available, depending on the device configuration.

- **Eject button** - This button will only work for the device from which the eject is requested. This action will also take the printer out of alignment. Press the button for as long as you want the printer to eject paper. As the paper will only move in the selected device, there are risks of paper breaks. Always make sure there is enough paper available for the eject, or that the paper is cut. To do an eject for the whole line, you should use the eject button in the action bar on the screen.
- **Release button** - This button allows you to release paper to empty a whole part of the line. When you release paper, all devices downstream from the one that starts the release are in a state that allows them to move paper. Therefore, if you choose Release from the Unwinder bubble menu, all the paper in the print line will move.

  Note: *There exists the following limitation around the pre-processor in a release situation. It is possible to press the Release button when the pre-processor is off, Unwinder, for example. The problem is that* *if you go to the bubble menu and press Release when the Unwinder is powered off, the paper will start moving and finally provoke a jam, because it breaks or tears.*

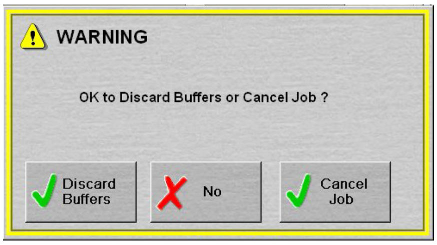
- **Load** or **Load & Align** - This action is usually performed when installing new paper, after changing paper, or after clearing a paper jam/break. The Load button will appear for devices that do not need to be aligned, (folders, for example). The Load & Align button will appear for devices that do need to be aligned, (cutters, for example).
- **Print Alignment** - This button will be available for all devices that need to be aligned. The procedure requires that the whole line is in a Ready state. It is typically used when paper has been previously loaded but not aligned or when paper has lost alignment due to an error or user operation for example. Pressing the button will start the alignment procedure.
- **Aligned** - Once the device is aligned, you must confirm the aligned status by pressing the Aligned button.
- **Not Aligned** - If the device is not aligned, you must declare the line not aligned by pressing the Not Aligned button.
- **Aligned/unjammed** - This button is used to declare the postprocessors Ready when aligned or unjammed.
- **Not aligned/jammed** - This button is used to declare the postprocessors Not Ready due to misalignment or paper jam. Press the button to perform the action.

Cancelling jobs

The **Cancel** button is used to interrupt print jobs from the host system or to cancel a Print Position Check.

Cancelling a print job

When the **Cancel** button is pressed during a print job, the following dialog box will be displayed:



WARNING

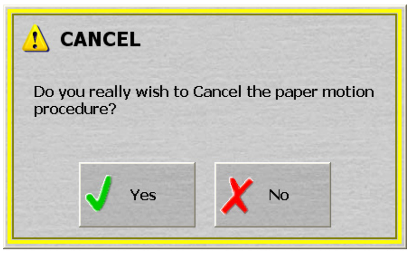
OK to Discard Buffers or Cancel Job ?

- Press the **Discard Buffers** button to stop the current print job and discard all pending print buffers from the printer leaving the job in the host job queue. If no forward or backward commands are made at the host system then the host will resume printing at the next page once the printer is ready again.

  This procedure is used when you need to stop the current print job to reposition it or when a print alignment is interrupted due to an error and does not resume after the error is corrected. In this case, the bubble menu will remain empty as the print alignment is not considered to be terminated.
- Press the **Cancel Job** button to cancel the job currently being printed. Then set the printer to Ready. The printer reports the cancel to the host system in order to delete it from the host job queue. To restart the job you will have to resubmit it. This procedure is used when you need to stop the current print job and want to delete it from the host job queue.
- Press the **No** button if you do not want to cancel the print position check.

Cancelling a print position check

When the **Cancel** button is pressed during a print position check, the following dialog box will be displayed:



CANCEL

Do you really wish to Cancel the paper motion procedure?

- Press the **Yes** button to cancel the print position check.
- Press the **No** button if you do not want to cancel the print position check.

5. Paper path

This chapter describes how to load paper into the printer and how to make adjustments to the paper path components.

⚠ **WARNING**

Operator tasks identified in this chapter should only be completed if the required training has been given to enable the tasks to be completed without risk or injury.

⚠ **WARNING**

When completing any of the tasks in this chapter, observe all applicable warnings as indicated in the user precautions.

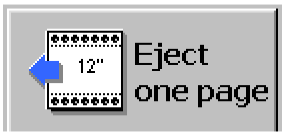
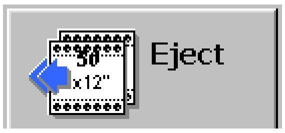
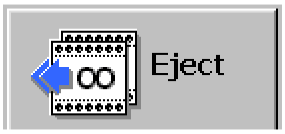
⚠ **WARNING**

When the printer is ready, it is under the control of the attached host system and can start without warning.

Ejecting paper from the printer

Ejection can take place using either of the Eject buttons on the action bar at the bottom of the touch screen. In addition, you can eject paper using a selection from the bubble menu associated with a device.

The Eject button only works for the device from which the eject is requested and affects the whole print line. The possibilities are:

	The Eject one page button moves the paper on by one sheet for each press.
	The multi page eject button moves the paper on by the number of sheets displayed (30 in the illustration) for each press. The number of pages to be ejected when the button is pressed will be the distance between devices determined at installation.
	The infinite eject button will continue to eject paper until the STOP button on the touch screen is pressed, even if the stacker is not ready or full.

Note: *To switch between the multi page and infinite eject states, press the button for a few seconds until the button changes to the state that you require.*

The bubble menu possibility is **Release** which is available for any paper master device on the line and will move sufficient paper to clear the print line from that device onwards. Therefore, if you choose Release from the Unwinder bubble menu, all the paper in the print line will be moved. You can release paper by pressing the appropriate icon on the print line and choosing Release from the bubble menu.

Paper Loading

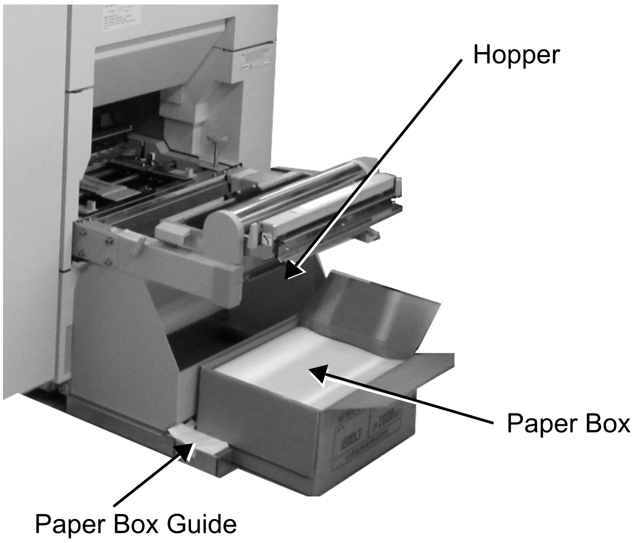
Paper loading is a two-stage procedure.

1. The paper is loaded on the hopper.
2. The paper is autoloaded.

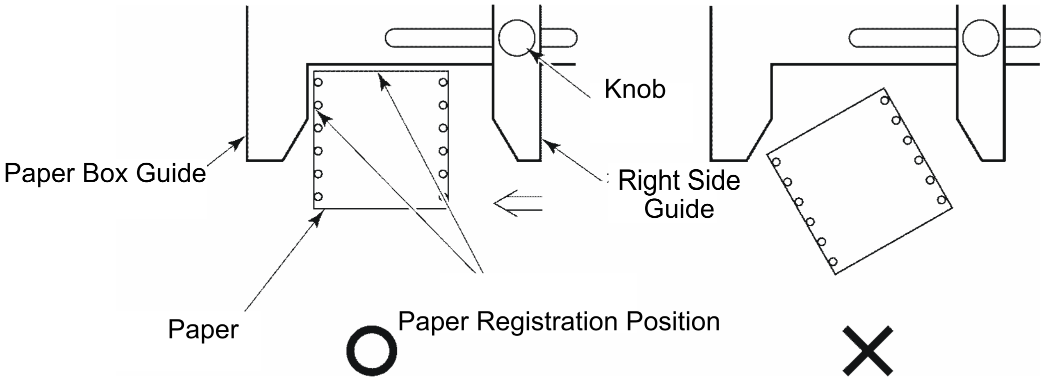
Loading on the hopper

To load paper in the hopper:

1. Remove the paper from the printer (see "Removing Paper" on page 5-12).
2. Check that the stacker components are in the following state:
    - There is no paper left on the stacker table and the Table Auto switch is set.
    - The paper tension lever is set at a suitable position for the new paper.
    - The paper output lever is correctly set.
3. For paper supplied from a box, place the paper box under the hopper and press it against the paper box guides.


Hopper
Paper Box
Paper Box Guide

- Turn the knob on the right-side guide to loosen it.


Knob
Paper Box Guide
Right Side Guide
Paper
Paper Registration Position
O
X

  - Press the right-side guide against the right side of the paper box.
  - Turn the knob to secure the right-side guide.

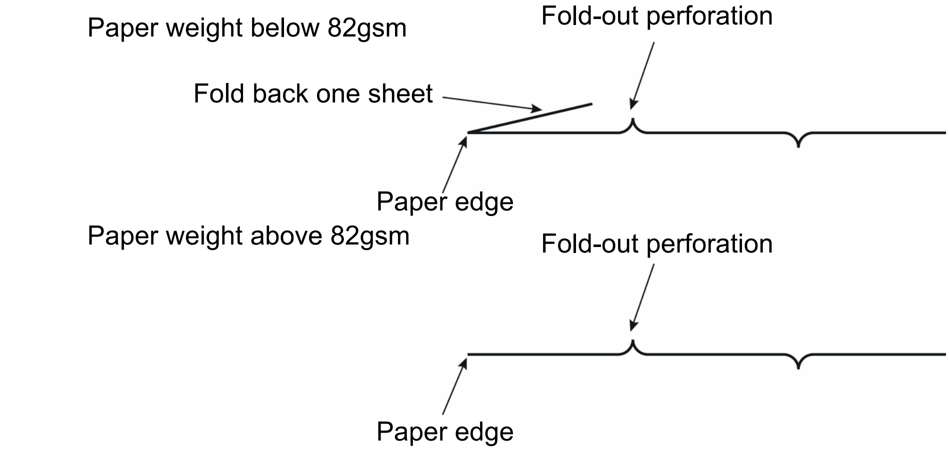
4. For paper coming from a pre-processing device, feed the paper to the hopper.

Paper autoloading

Autoloading moves the paper from the hopper and positions it ready for printing.

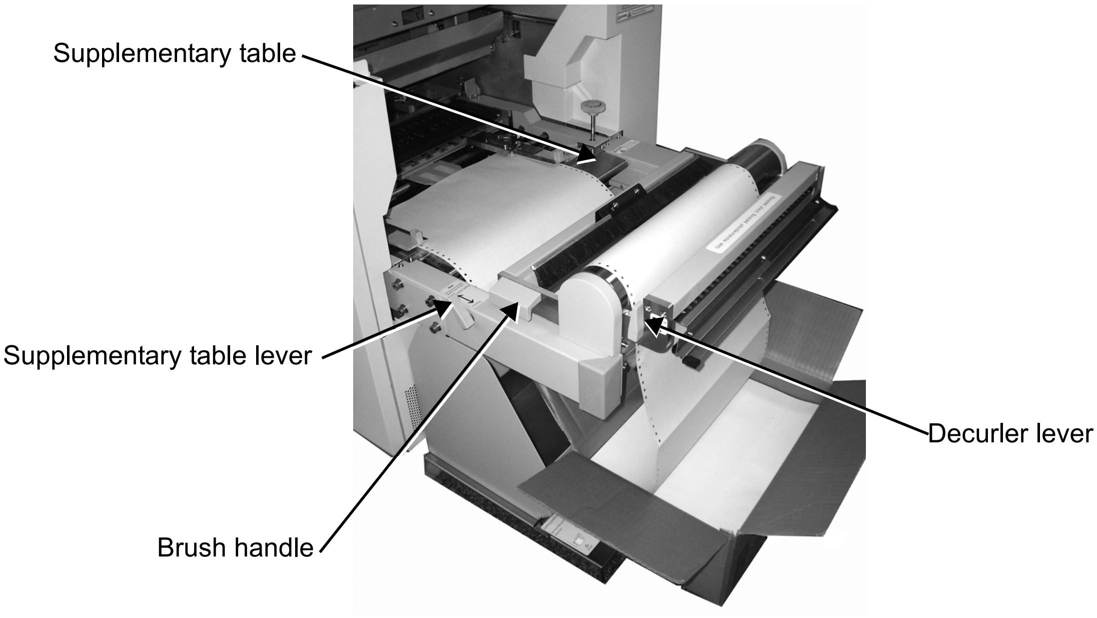
To autoload the paper:

1. Prepare the leading edge of the paper as shown in the following diagram.

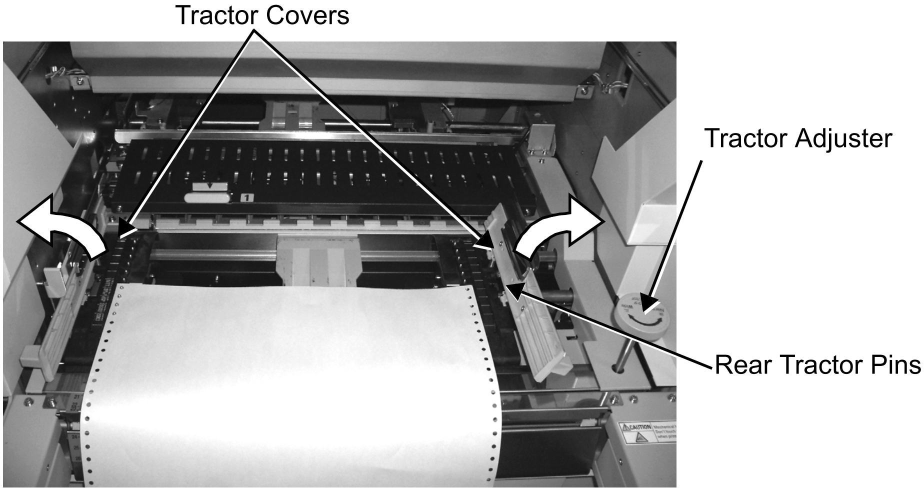

Paper weight below 82gsm
Fold-out perforation
Fold back one sheet
Paper edge
Paper weight above 82gsm
Fold-out perforation
Paper edge

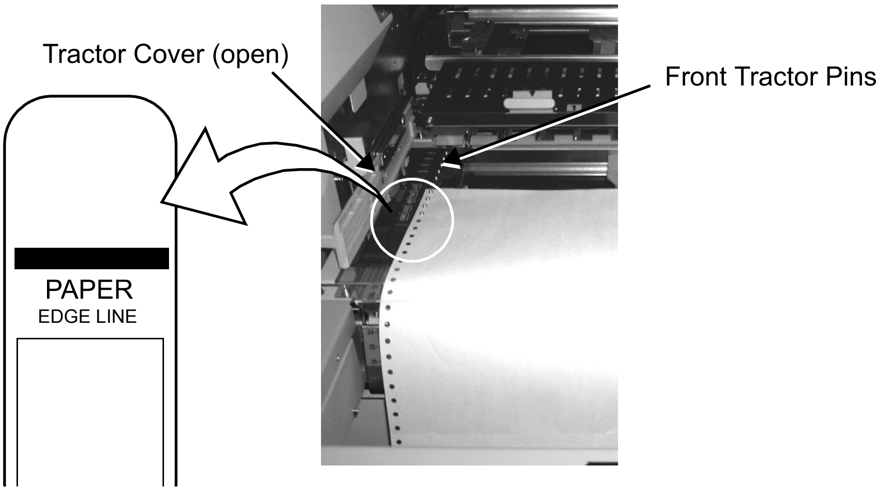
Note: *If you get an autoload error repeatedly with the same paper, check that the first perforation is not protruding too far. If so, flatten it a little to ease the folding. Make sure, however, that the perforation is not too flat or folded in the opposite direction because stacking performance or other problems may occur.*

2. Thread the paper through the decurler and brush.


Supplementary table
Supplementary table lever
Decurler lever
Brush handle

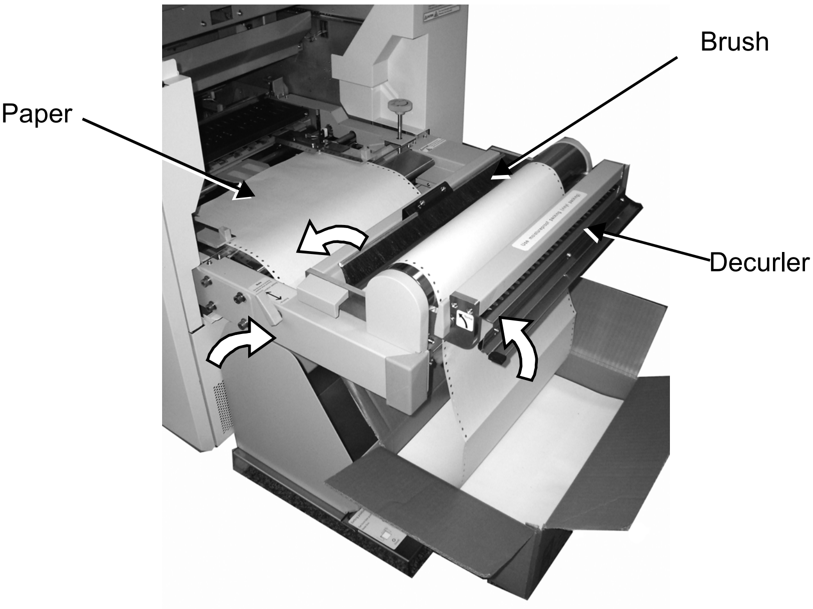
3. Open the tractor covers.


Tractor Covers
Tractor Adjuster
Rear Tractor Pins


Tractor Cover (open)
Front Tractor Pins
PAPER
EDGE LINE

4. Align the paper end with the paper edge line (white line located underneath the paper) on the tractor and insert the sprocket holes of the paper onto the front tractor pins.
5. Adjust the rear tractor pins to the paper width (rear sprocket holes) by turning the tractor adjuster.

6. Check that the sprocket holes of the paper are correctly inserted onto the front tractor pins, then close the tractor covers.
7. Check that the brush is down.



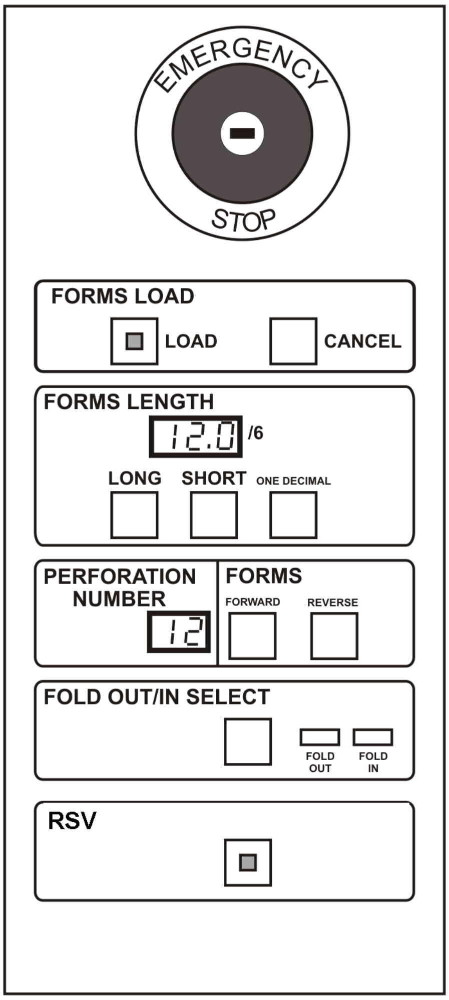
8. Check that the decurler is released (on the Standard label side).
9. Check that the supplementary table lever is towards the Printing side and the table is down.

   Note: *The decurler is provided for the following special situations:*

   a. *If the paper is folded too strongly at the perforations in order to prevent blurred printing at the perforations.*
   b. *To prevent several sheets from being lifted together.*
   c. *When using normal paper, release the decurler as it may impede the paper feed.*

10. Set the paper length. Press the Long button to increment the units or the Short button to decrement the units. Press the One Decimal button to increment the decimal place by 1/6 inch for each press.

The display shows the folding length in inches and the perforation number will be recalculated and displayed.


EMERGENCY
STOP
FORMS LOAD
LOAD
CANCEL
FORMS LENGTH
12.0
/6
LONG
SHORT
ONE DECIMAL
PERFORATION NUMBER
12
FORMS
FORWARD
REVERSE
FOLD OUT/IN SELECT
FOLD OUT
FOLD IN
RSV

11. Press the Load switch on the autoload panel.

    The paper is automatically fed to the stacker through the transfer unit and fuser to complete the initial setup. If the paper jams during loading, press the Cancel switch on the autoload panel to stop autoloading, clear the paper jam then try again (see "Clearing paper jams" on page 9-3.)

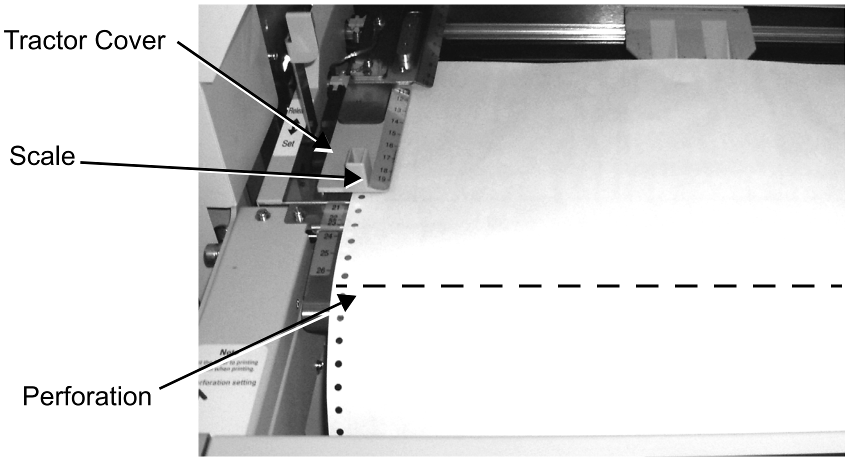
Setting the perforation position

After a paper jam has been removed or if the paper position is changed with the Forward or Reverse switch, you will need to set the perforation position.

Note: *This operation is not necessary at ordinary autoloading or during automatic switching mode (e.g. changing from simplex to duplex). The paper moves automatically to the correct position before starting to print.*

To set the paper position:

1. Check the Perforation Number on the autoload panel.
2. Press **Forward/Reverse** on the autoload panel, to correct the paper alignment.



3. Press the Fold-out/in switch so that the fold-out/in status of the perforation at Perforation Number matches the Fold-out/in lamp status.

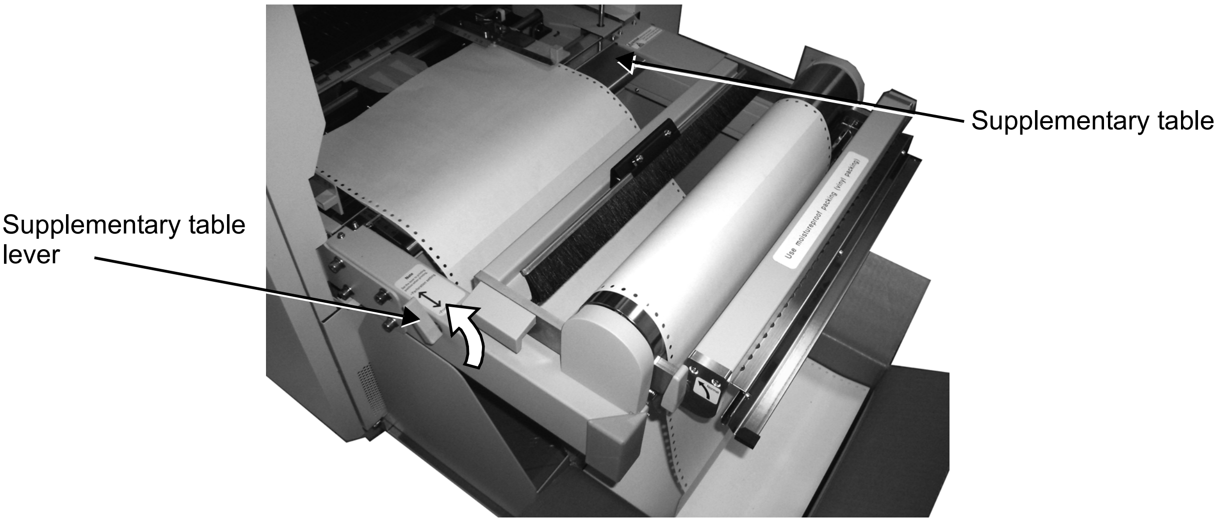
Notes:

a. *Even when the fold-out/in status of the perforation matches the Fold-out/in lamp status in, press the Fold-out/in Select switch.*

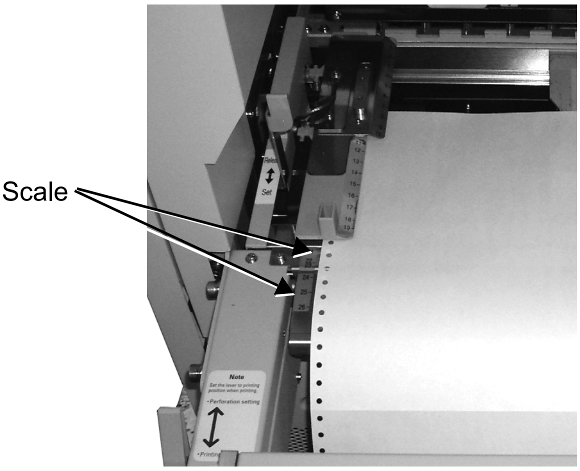
b. *The Perforation Number changes with the paper length but is not equal to the paper length value (inch). Be sure to check the Perforation Number when setting the perforation position.*
The Perforation Number may change with the printing mode even when the paper length is the same.

c. *If your paper is long and the perforation number becomes 13 or more, be sure to use the supplementary table.*

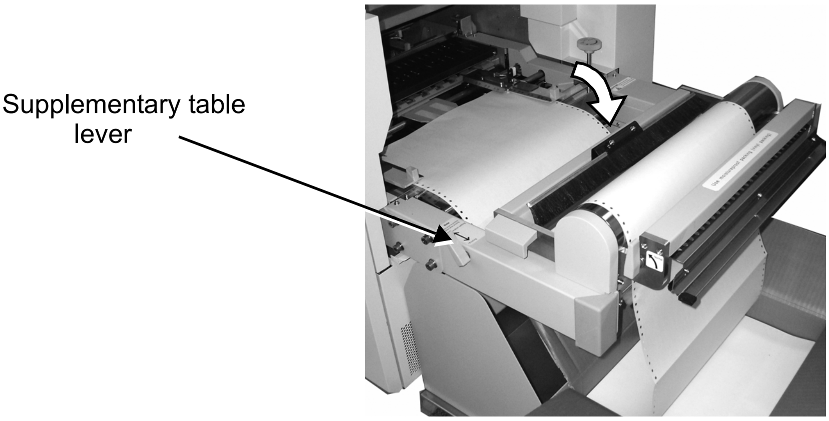
4. Set the supplementary table lever to the Align Perforation side.


Supplementary table
Supplementary table lever

5. Move the perforation position according to the scale on the supplementary table.

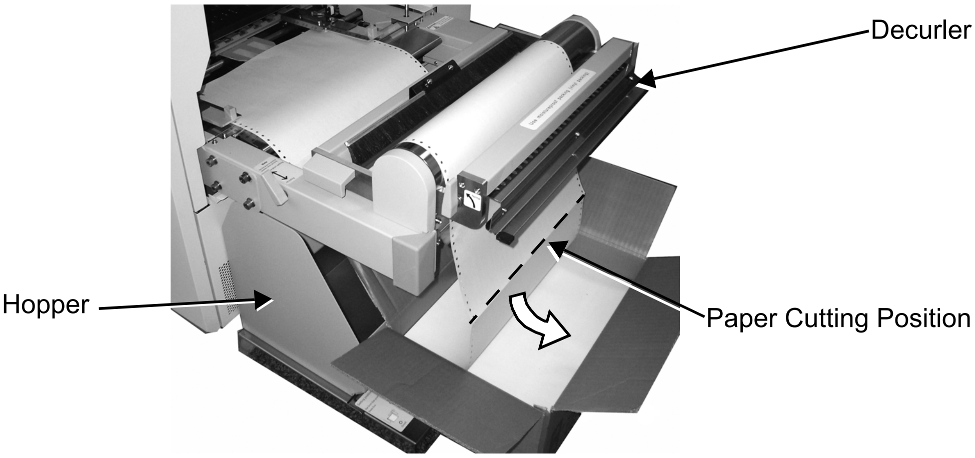


6. Press the Fold-out/in Select switch and set the lever to the Print side to lower the supplementary table.


Supplementary table lever

Cutting paper

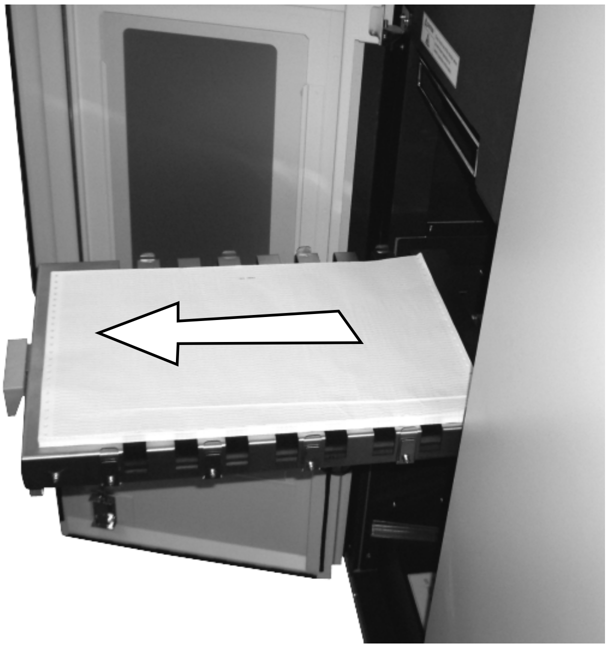
If it is necessary to cut the paper, cut it outside the decurler.


Decurler
Hopper
Paper Cutting Position

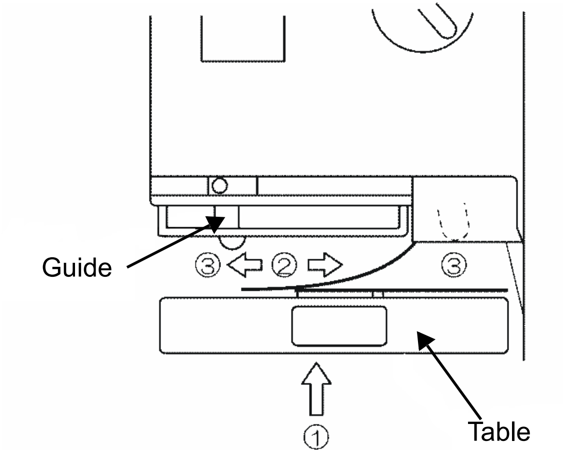
Removing Paper

1. To completely remove the paper, cut it at the hopper (see "Cutting paper" on page 5-11).
2. Press the **Eject** button located on the touch screen action bar.
3. Press the **Stacker Down** button on the stacker control panel.

   The table stops at the paper removal position.
4. Pull down and fold the paper.
5. Pull the stacker table out using the handles.



6. Remove the paper from the table, push the table back into the original position, and place the remaining paper along the right side of the stacker table.
7. Set the table switch to Auto.
8. Adjust the paper forming on the stacker table so that the table will reach high enough.



When the stacker table goes up (1), the paper may move to the right or left (2) and hit the guides (3). This is not good and the printer will fall into the error “Form length guide held up.” To correct the error, the paper on the stacker table must be readjusted.

9. Press the **Stacker Down** button on the stacker control panel.
10. Adjust the paper by pressing it against the right side of the stacker.
11. Set the table switch to **Auto**.
12. Cloose the right stacker door.
13. Press RESET on the touch screen and then set the printer to ready.

Checking printing

The printer is capable of checking both the front-side and back-side print quality and position (see "Front and back marking units" on page 2-2). These can be monitored by:

- Checking the printed paper
- Checking at the printing check position
- Using the printing position check function

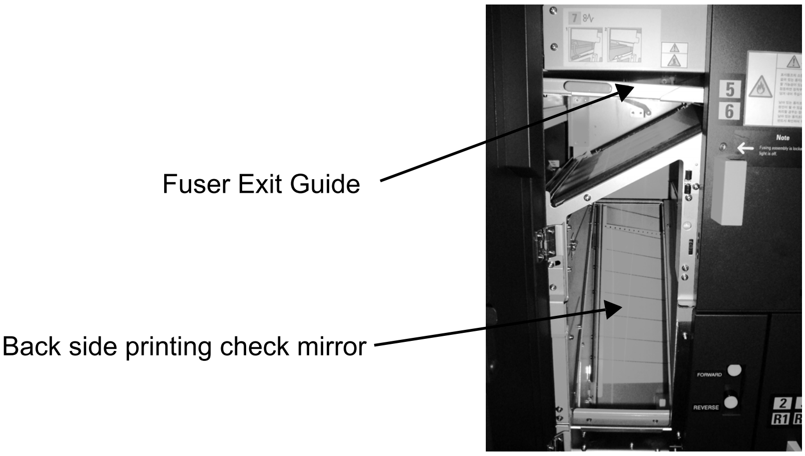
Checking printed paper

1. Stop printing after several pages and press the Eject button on the touch screen to eject the prints in the stacker.
2. Take the prints out of the stacker table and check the print quality and position.

Checking at the printing check position

Check the printing status at the printing check position in the printer.

1. Print several pages and open the fuser left door (see "Components inside the Fuser Door" on page 2-6).
2. Open the fuser exit guide and check the front-side printing status (see "Front and back marking units" on page 2-2).



3. Check the back-side print quality and position using the back-side printing check mirror.
4. Close the doors and restart printing.

   Note: *If printing is started immediately after autoloading, several sheets should be printed until the first sheet is in position. The number of sheets depends on the print page length.*

Check by the printing position check function

Feed prints from the printer into the stacker table and check the printing status. After checking, return the paper to the original printing position and restart printing from the page after the last confirmed print.

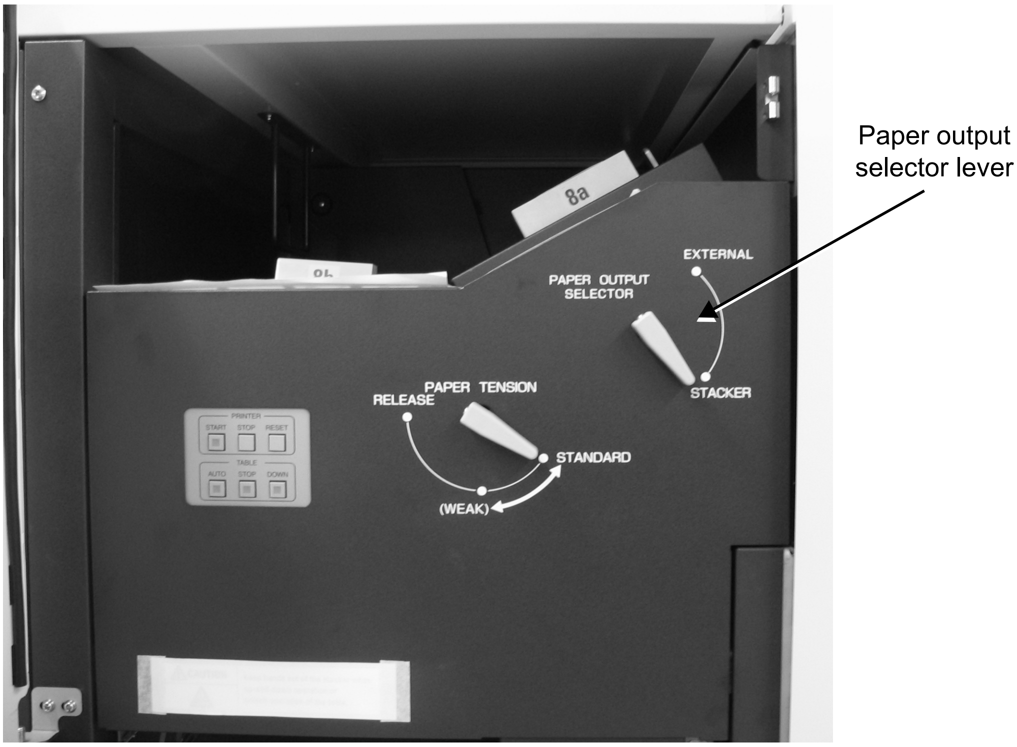
1. Print a necessary number of sheets for checking.
2. Open the bubble menu for the printer device and press the Start Print Position Check command. Paper is forwarded to the stacker and the stacker automatically lowers.
3. Check the printing status on the stacker table.
4. Press the stacker AUTO button to raise the stacker table.
5. Press RESET to set the printer to Not Ready.
6. Open the bubble menu for the printer device and press the Stop Print Position Check command. The paper reverses to its original printing position.
7. Press START to set the printer to Ready.
8. Resume printing.

   Note: *Before feeding the paper back, check that it is in the original position on the stacker table. If the paper deviates, the paper may tear or cause other problems. Make sure that the paper edge is aligned with the "Align paper here" line.*

Loading paper to a post-processing device

To load paper to a post-processing device:

1. Turn the paper output selector lever in the stacker to the **External** position.


EXTERNAL
PAPER OUTPUT SELECTOR
STACKER
RELEASE
PAPER TENSION
STANDARD
(WEAK)
PRINTER
START
STOP
RESET
TABLE
AUTO
STOP
DOWN
8a
10

Paper output selector lever

2. Press Load in the bubble menu to release enough paper for the post-processing device.

   Note: *If insufficient paper is ejected, then the distance between devices has not been properly set during the definition of the print line.*

6. Adjusting print quality

These settings should be made during the definition of a job and recalled when the job is run (see "Defining applications" on page 7-12).

The setting for the individual marking units can be made locally using the Notebook settings, if they are made available to you. These changes are made by selecting one of the five possible settings defined for the job (see "Notebook offsets" on page 4-7).

Print density affects toner consumption and fusing. The best contrast depends on the paper used and for each paper there is a setting above which the contrast remains at the maximum, while the fusing quality diminishes and consumption increases.

Note: *Print quality is also affected by the paper thickness (see "Defining paper characteristics" on page 7-7).*

7. Defining production jobs

This chapter contains the procedures for creating jobs. All of the screens are accessed under the **Definitions** tab, the facilities of which are available to the Key Operator level User and above.

To create a new job, the paper to be used must be defined and must be available. The printing application must have been created at a system level in order to be able to carry out tests.

Once a job has been created, you will normally only have to recall the job and load the correct paper to be able to print it. For duplex jobs, check that the attachment to be used is available in the print line segment selected.

Quick start

There are seven steps for creating a job:

Step	Actions
Checking the existence of a job	1. Select the Job tab and press the press 🔍 to use the search facility.
Defining a new job	1. Select the **Job** tab, create a new job and choose the name of the paper and application that you have just created (or others since several jobs can use the same paper, for example). 2. Press the diskette icon, then select the Write As field. 3. Type in the name of the job, then press Enter and then the **OK** button to save it. If a job with the same name and same characteristics already exists, you will receive a message asking if you want to replace the existing definition.
Defining a new paper type (if necessary)	1. Select the **Paper** tab, create a new paper type and define the characteristics of the new paper (format and thickness). 2. Press the diskette icon, then select the Write As field. 3. Type in the name of the paper, then press Enter and then the **OK** button to save it. If paper with the same name and same characteristics already exists, you will receive a message asking if you want to replace the existing definition.
Defining a new application type (if required)	1. Select the **Application** tab, press the new application button and define the characteristics for the new application (emulation, resolution, etc.). 2. Press the diskette icon, then select the Write As field. 3. Type in the name of the application, then press Enter and then the **OK** button to save it. If an application with the same name and same characteristics already exists, you will receive a message asking if you want to replace the existing definition.
Defining a new line (if required)	1. Select the **Line** tab and define the paper path for the new line. 2. Press the diskette icon, then select the Write As field. 3. Type in the name of the print line and then press Enter and then the **OK** button to save it. If a print line configuration with the same name and same characteristics already exists, you will receive a message asking if you want to replace the existing definition.
Defining a new attachment (if required)	1. Select the **Attachment** tab, create a new attachment and define the characteristics of the new attachment (emulation should be the same as that created in the Application screen, choice between channel and TCP/IP). 2. Press the diskette icon, then select the Write As field. 3. Type in the name of the attachment, then press Enter and then the **OK** button to save. If an attachment with the same name and same characteristics already exists, you will receive a message asking if you want to replace the existing definition.
Testing the new job	1. Select the job to test from the **Production** tab. 2. Select the connection and put it online. 3. Start the printer.

Checking the existence of a job

1. Select the **Definitions** tab, then the **Job** tab.
2. Press the 🔍 icon on the top left of the Job pull-down list to display the search facility. The scroll down list on the right shows all of the entries from which you can choose a Job selection.
3. Use the keyboard to enter all or part of the Job name. The Job name will be highlighted as soon as sufficient information is entered.
4. Press the **Enter** button to select the highlighted Job and return to the Job tab.
5. Otherwise, press the **Esc** button to return to the Job tab without making a selection.

Defining a job

Before you can create a job, you will need to define:

- The paper See “Defining paper characteristics” on page 7..
- The application See “Defining applications” on page 12..

  Note: *To define a job you must have the User status of* ***Key Operator*** *or higher.*

A job definition determines the previously defined characteristics for the paper and application that will be used to run a job.

The Default job configuration is as follows:

- **Paper** pull-down list - Default
- **Application** pull-down list - Default

Refer to the appropriate sections for the default values of these items.

Creating or amending a job

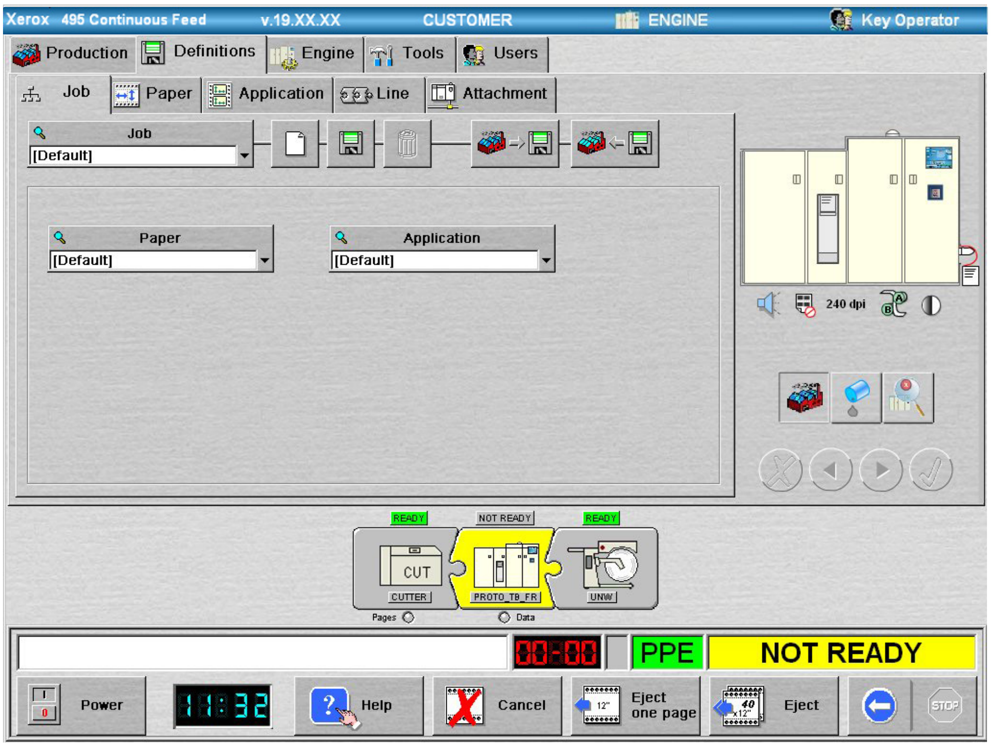
This procedure assumes that the Paper and Application definitions have already been made. If you are starting a new job with new resources, these items need to be created first.

Note: *The original settings are those saved for the job; they are not the same as the default settings. An asterisk (*) is displayed to the right of the Job pull-down list for any modification made to these settings.*

To create or amend a job:

1. Select the **Definitions** tab, then the **Job** tab.

   The Job screen groups the Paper and Application screen settings associated with a normal job.



Job: [Default]

Paper: [Default]

Application: [Default]

Xerox 495 Continuous Feed
v.19.XX.XX
CUSTOMER
ENGINE
Key Operator
Production
Definitions
Engine
Tools
Users
Job
Paper
Application
Line
Attachment
240 dpi
READY
NOT READY
READY
CUT
CUTTER
PROTO_TB_FR
UNW
Pages
Data
00:00
PPE
NOT READY
Power
11:32
Help
Cancel
Eject one page
Eject
STOP

2. Press the 🗋 button to create a new job or choose an existing job from the pull-down list.
3. Choose the required **Paper** from the pull-down list. This list has the names of each paper definition previously created in the **Paper** screen.
4. Choose the required **Application** from the pull-down list. This list has the names of each application definition previously created in the **Application** screen.
5. Press the 💾 button to save the current job.

   The **Save** screen containing the list of existing jobs is displayed.
6. For a new job, select the **Write As** field, enter a name for the job using the alphanumeric keyboard and press the **Enter** button.
7. Press ✓ on the **Save** screen.

   Note: *When you press* ✓*, you will be prompted to confirm whether you want to replace an existing definition if it already exists.*

   For immediate use the new definition will need to be exported to the Production screen where it will be selected (see below). Otherwise, the definition will be available the next time it is selected on the Production screen.

Copying a job definition

If you want a copy of the job, select a job on the Job tab and use the **Write As** feature to rename it.

The name of the selected definition will be displayed and highlighted.

To enter a new name, use the alphanumeric keyboard or press << to clear the field and enter the name.

To edit the displayed name, press < or > to place the cursor in the correct position and enter the new information using the alphanumeric keyboard.

Exporting a job definition to the Production screen

Press the 🖨 ⇐ 💾 button to export the job definition to the current **Production** screen.

Exporting definitions will not be possible in the following situations:

- When the printer is set to **Ready**. The printer needs to be in a Not Ready state; otherwise the button is grayed out.
- When trying to export a definition that is no different to a definition of the same name already existing on the **Production** screen. In this case, the button is also grayed out. To be able to export a definition that has the same name as one already on the **Production** screen, you will need to have made changes to that definition.

Importing a job definition from the Production screen

The job definitions can all be amended from the Production screen. You may want to create or amend the job definition from the settings there.

To create or amend a job from a production job:

1. Select the **Definitions** tab, then the **Job** tab.
2. Press the → 💾 button to import the job parameters from the current **Production** screen. The parameters set in the **Production** screen are then applied to the **Job** screen. Importing is impossible if the job is in the process of modification or if it has the same name as that on the **Job** screen.
3. Press the 💾 button to save the current job.

   The **Save** screen containing the list of existing jobs is displayed.
4. For a new job, select the **Write As** field, enter a name for the job using the alphanumeric keyboard and press the **Enter** button.
5. Press ✓ on the **Save** screen.

   Note: *When you press ✓, you will be prompted to confirm whether you want to replace an existing definition if it already exists.*

Deleting a job definition

To delete a job definition:

1. Select the **Definitions** tab, then the **Job** tab.
2. Choose a **Job** from the pull-down list.
3. Press the 🗑 button to delete a job.

The Delete screen containing the list of existing jobs is displayed. Press ✓ to delete the job or ✗ to exit without deleting.

Note: *You cannot delete the Default job or a job definition in use within the Production screen.*

Defining paper characteristics

To define paper characteristics you must have the User status of **Key Operator** or higher.

A paper definition determines the printer characteristics that will be applied to the paper.

The default paper configuration is as follows:

- **Paper Format** field - the form as mounted on the printer
- **Paper Thickness** circular list - Thin

Creating or amending a paper definition

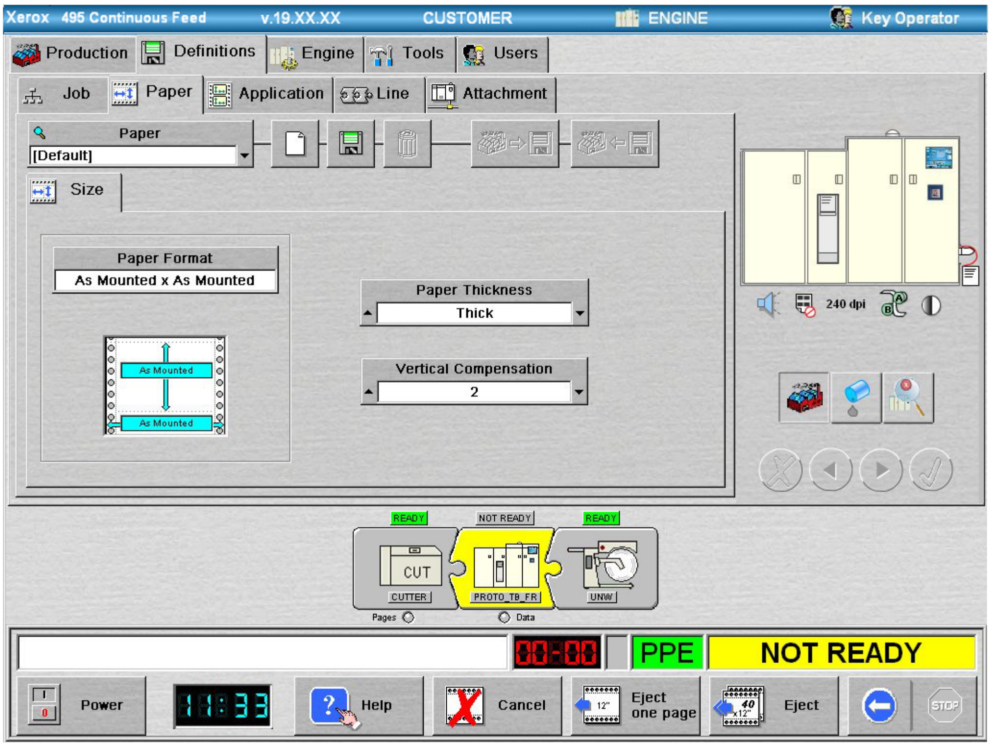
Note: *An asterisk (*) is displayed to the right of the* ***Paper*** *pull-down list for any modification made to any of the settings on the screen.*

To create or amend a new paper definition:

1. Select the **Definitions** tab, then the **Paper** tab.

   This tab provides access to a further tab which allows you to set the:

   - Paper Format
   - Paper Thickness
   - Vertical Compensation



Paper: [Default]

Paper Format: As Mounted x As Mounted

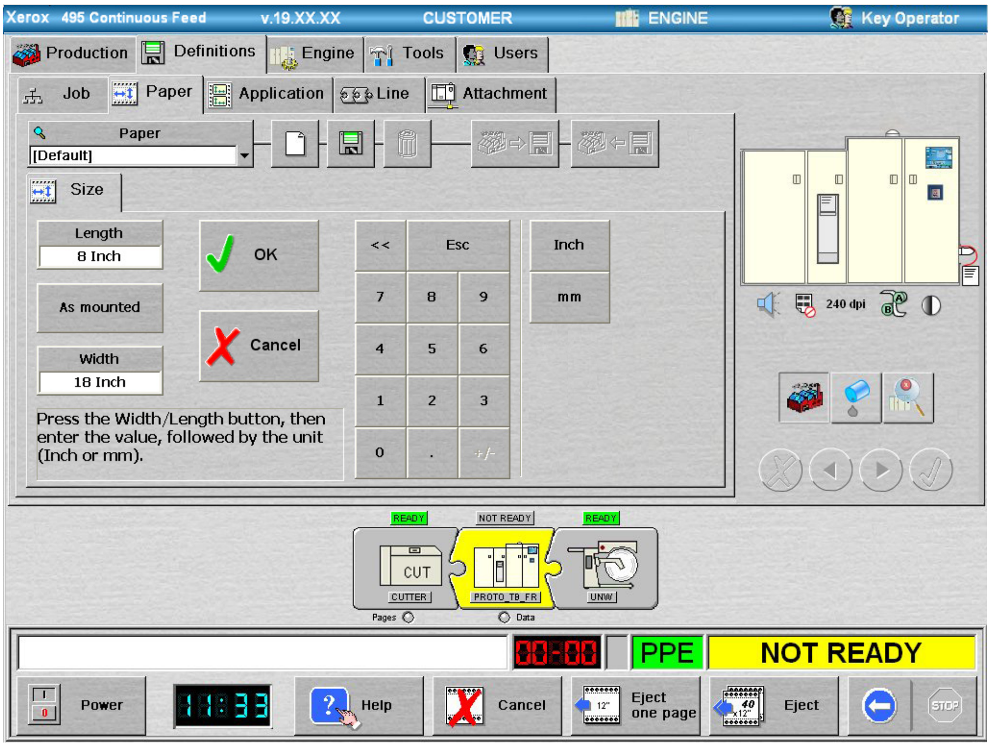
Paper Thickness: Thick

Vertical Compensation: 2

Xerox 495 Continuous Feed
v.19.XX.XX
CUSTOMER
ENGINE
Key Operator
Production
Definitions
Engine
Tools
Users
Job
Paper
Application
Line
Attachment
Size
As Mounted
As Mounted
240 dpi
READY
NOT READY
READY
CUT
CUTTER
PROTO_TB_FR
UNW
Pages
Data
00:00
PPE
NOT READY
Power
11:33
Help
Cancel
12"
Eject one page
40
x12"
Eject
STOP

2. Press the 🗋 button to create a new paper definition or choose an existing paper definition from the pull-down list.
3. Select the **Size tab**.
4. Select the **Paper Format** field or press the paper image.

The **Paper Dimensions** screen is displayed.


Xerox 495 Continuous Feed
v.19.XX.XX
CUSTOMER
ENGINE
Key Operator
Production
Definitions
Engine
Tools
Users
Job
Paper
Application
Line
Attachment
Paper
[Default]
Size
As mounted
OK
Cancel
<<
Esc
Inch
mm
7
8
9
4
5
6
1
2
3
0
.
+/-
240 dpi
READY
NOT READY
READY
CUT
CUTTER
PROTO_TB_FR
UNW
Pages
Data
00:00
PPE
NOT READY
Power
11:33
Help
Cancel
Eject one page
Eject
STOP

Length: 8 Inch

Width: 18 Inch

Press the Width/Length button, then enter the value, followed by the unit (Inch or mm).

5. Select the **Length** field, type in the length, then press the inch or mm button according to whether you have entered the length in inches or millimeters. However, you should be aware of the following restrictions:

   When printing to an internal stacker, the GUI range is from 7 to 14 inches (177.8 to 355.6mm) and you can choose one of the following GUI options:

   - Select the length As Mounted to use the dimensions of the paper mounted at the time of printing.
   - Enter a length that is equal to the length displayed on the autoload panel.
   - Enter a length that is a sub-multiple of the length displayed on the autoload panel. For example, if the length on the autoload panel reads 12, then you can enter a length of 4, 6 and so on.

   When printing to a post-processing device, the GUI range is from 3.5 to 28 inches (88.9 to 711.2mm).

   Enter your chosen value on the GUI. It does not need to comply with the value on the autoload panel, once your value is within the specified value range.

   Avoid selecting the length As Mounted. It is not always accurate when printing to a post-processing device.

6. Select the **Width** field, type in the width, then select the inch or the mm button according to whether you have entered the width in inches or millimeters. However, you should be aware of the following restrictions:

   The range is from 6.5 to 18 inches (165.1 to 457.2mm).

   If you place a tick in the Paper Width Checked box, you must enter a

GUI width that is equal to or within the range of the width measured by the IOT ± a tolerance of 1/6 inch. In this case, the IOT value is used.

If you do not place a tick in the Paper Width Checked box, take the following into consideration:

- You must enter a GUI width that is equal to or within the range of the width measured by the IOT ± the tolerance. In this case, the IOT value is used.
- If you enter a GUI width that is greater than the width measured by the IOT + the tolerance, you will fall into error.
- If you enter a GUI width that is less than the width measured by the IOT - the tolerance, the GUI value is used.

Refer to "Valid print area (VPA)" on page 7-37.

When the **As Mounted** button is pressed, the printer will use the dimensions of the paper mounted at the time of printing.

7. Press ✓ to validate or ✗ to exit without validating.
8. Choose the **Paper Thickness** setting from the circular list.

The choices are **Thin** and **Thick**. The following table shows the recommended settings.

Operation mode	Paper weight (Ream weight)
Thin paper	64g/m2~93g/m2 (55kg~80kg)
Thick paper	Over 93 to 157 g/m^2 (Over 80 to 135 kg)

In the absence of any problem, set it to **Thin**.

9. Choose the **Vertical Compensation** setting from the circular list, if you run a thin paper with low or high toner coverage job, and you encounter a fluctuation of print position in vertical direction. The following table shows the recommended settings.

Setting	Description
Normal setting value is “2”.	
Where the print position during continuous printing has moved downward in comparison to the first page, set the value to “3” or “4”.	When the toner coverage is low, there is a tendency for the print position to change downward.
Where the print position during continuous printing has moved upward in comparison to first page, set the value to “1”.	When the toner coverage is high, there is a tendency for the print position to change upward.

When you change the setting to anything but the default value of “2”, a warning symbol will be displayed to the right of the Vertical Compensation box.

Note: *After changing the setting value, be sure to check the print result.*

10. Press the 💾 button to save the current paper definition.

    The **Save** screen containing the list of existing paper definitions is displayed.

11. For a new paper definition, select the **Write As** field, enter a name for the paper definition using the alphanumeric keyboard and press the **Enter** button.

12. Press ✓ on the **Save** screen.

    Note: *When you press* ✓*, you will be prompted to confirm whether you want to replace an existing definition if it already exists.*

    For immediate use the new definition will need to be exported to the Production screen where it will be selected (see below). Otherwise, the definition will be available the next time it is selected on the Production screen.

Copying a paper definition

If you want a copy of the paper definition, select a paper definition on the Paper tab and use the **Write As** feature to rename it.

The name of the selected definition will be displayed and highlighted.

To enter a new name, use the alphanumeric keyboard or press << to clear the field and enter the name.

To edit the displayed name, press < or > to place the cursor in the correct position and enter the new information using the alphanumeric keyboard.

Exporting a paper definition to the Production screen

Press the 🖨←💾 button to export the paper definition to the current **Production** screen.

Exporting definitions will not be possible in the following situations:

- When the printer is set to **Ready**. The printer needs to be in a Not Ready state; otherwise the button is grayed out.
- When trying to export a definition that is no different to a definition of the same name already existing on the **Production** screen. In this case, the button is also grayed out. To be able to export a definition that has the same name as one already on the **Production** screen, you will need to have made changes to that definition.

Importing a paper definition from the Production screen

The paper definitions can be amended from the **Production** screen. You may want to create or amend these definitions from the settings there.

To create or amend a job from a production job:

1. Select the **Definitions** tab, then the **Paper** tab.

2. Press the 🖨 → 💾 button to import the paper definition from the current **Production** screen. The parameters set in the **Production** screen are then applied to the **Paper** screen. Importing is impossible if the paper definition is in the process of modification or if it has the same name as that on the **Paper** screen.
3. Press the 💾 button to save the current paper definition.

   The **Save** screen containing the list of existing paper definitions is displayed.
4. For a new paper definition, select the **Write As** field, enter a name for the paper definition using the alphanumeric keyboard and press the **Enter** button.
5. Press ✓ on the **Save** screen.

   Note: *When you press ✓, you will be prompted to confirm whether you want to replace an existing definition if it already exists.*

Deleting a paper definition

To delete a paper definition:

1. Select the **Definitions** tab, then the **Paper** tab.
2. Choose a **Paper** from the pull-down list.
3. Press the 🗑 button to delete the paper definition.

   The **Delete** screen containing the list of existing paper definitions is displayed. Press ✓ to delete the paper definition or ✗ to exit without deleting.

   Note: *You cannot delete the Default paper definition. Deletion is also impossible if the paper is referred to in a job. For this purpose, the **Jobs** button can be used to list all the jobs to which this paper name is attached.*

Defining applications

Note: *To define an application you must have the User status of* ***Key Operator*** *or higher.*

An application definition determines the way that the printed data appears on the page.

The **Default Application** configuration is as follows:

- **Emulation** pull-down list - IPDS
- **Resolution** cursor - 240
- **Paper width checked** box - Checked.
- **Offset** arrows - 0, 0.
- **Density** - level 1 is 8, 2 is 9, 3 is 10, 4 is 11 and 5 is 12.
- **2-up** -None.

Creating or amending an application

Note: *An asterisk (**) *is displayed to the right of the* ***Application*** *pull-down list for any modification made under the* ***Production*** *tab to any of the settings on the screen.*

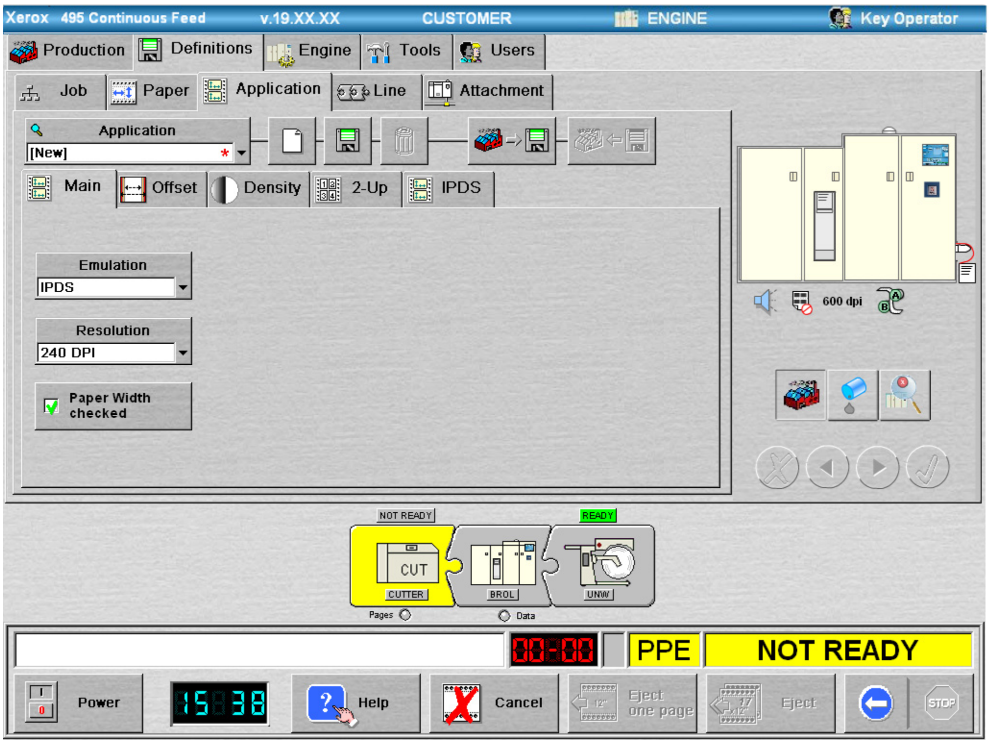
To create or amend an application:

1. Select the **Definitions** tab, then the **Application** tab.

   This tab provides access to four further tabs which allow you to:

   - Set the application details.
   - Set the image offset for both marking units.
   - Set the image density steps and default.
   - Set the conditions to print 2-up printing.

2. Press the **Main** tab.


Xerox 495 Continuous Feed
v.19.XX.XX
CUSTOMER
ENGINE
Key Operator
Production
Definitions
Engine
Tools
Users
Job
Paper
Application
Line
Attachment
Main
Offset
Density
2-Up
IPDS
600 dpi
NOT READY
READY
CUT
CUTTER
BROL
UNW
Pages
Data
Power
Help
Cancel
Eject one page
Eject
STOP

Application: [New] *

Emulation: IPDS

Resolution: 240 DPI

☑ Paper Width checked

00-00 PPE NOT READY

15 38

3. Press the button to create a new application or choose an existing **Application** from the pull-down list.

4. Select the required **Emulation** from the pull-down list.

   The current available emulation is IPDS.

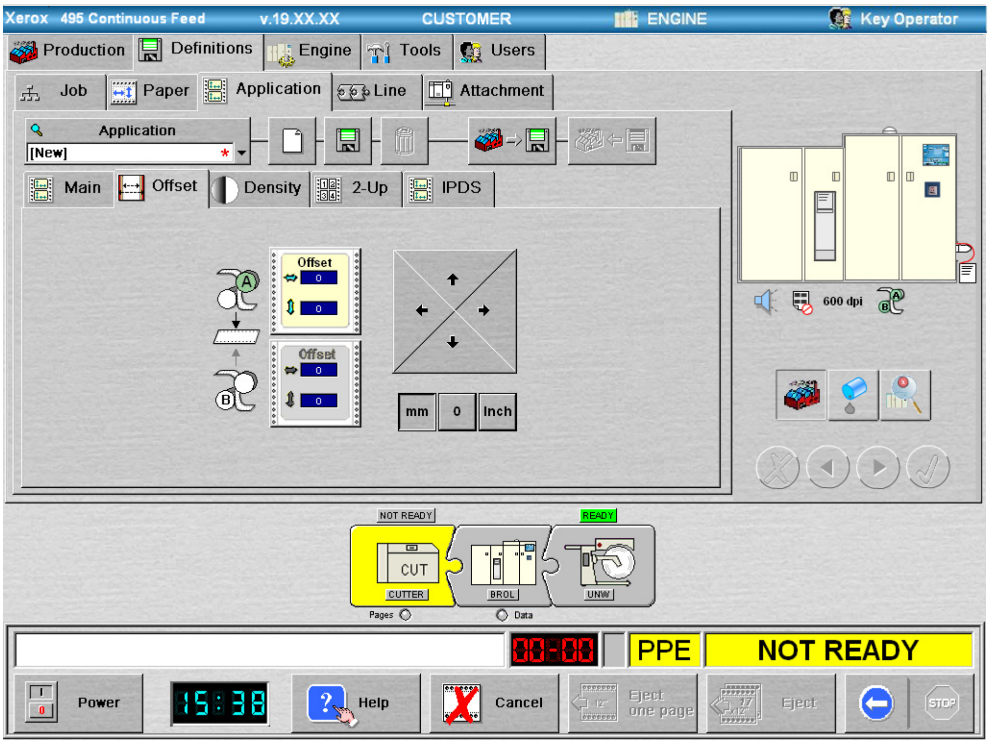
5. Select the required **Resolution** from the pull-down list.

   The choices of resolution are 240, 300 or 600.

   Note: *If you choose a Resolution parameter that is not supported, an error status will be returned from the controller which must be reset. The previous value will remain unchanged and an asterisk is written into the application selection box. You may select a new value.*

6. Check the **Paper Width Checked** box if you want the machine to compare the mounted forms with the requested forms and display an error if they are not the same.

7. Press the **Offset** tab.


Xerox 495 Continuous Feed
v.19.XX.XX
CUSTOMER
ENGINE
Key Operator
Production
Definitions
Engine
Tools
Users
Job
Paper
Application
Line
Attachment
Application
[New]
Main
Offset
Density
2-Up
IPDS
A
B
Offset
0
0
Offset
0
0
mm
0
Inch
600 dpi
NOT READY
READY
CUT
CUTTER
BROL
UNW
Pages
Data
00-00
PPE
NOT READY
Power
15:38
Help
Cancel
Eject one page
Eject
STOP

8. For each marking unit, press the **Offset** arrows to position the print on the page.

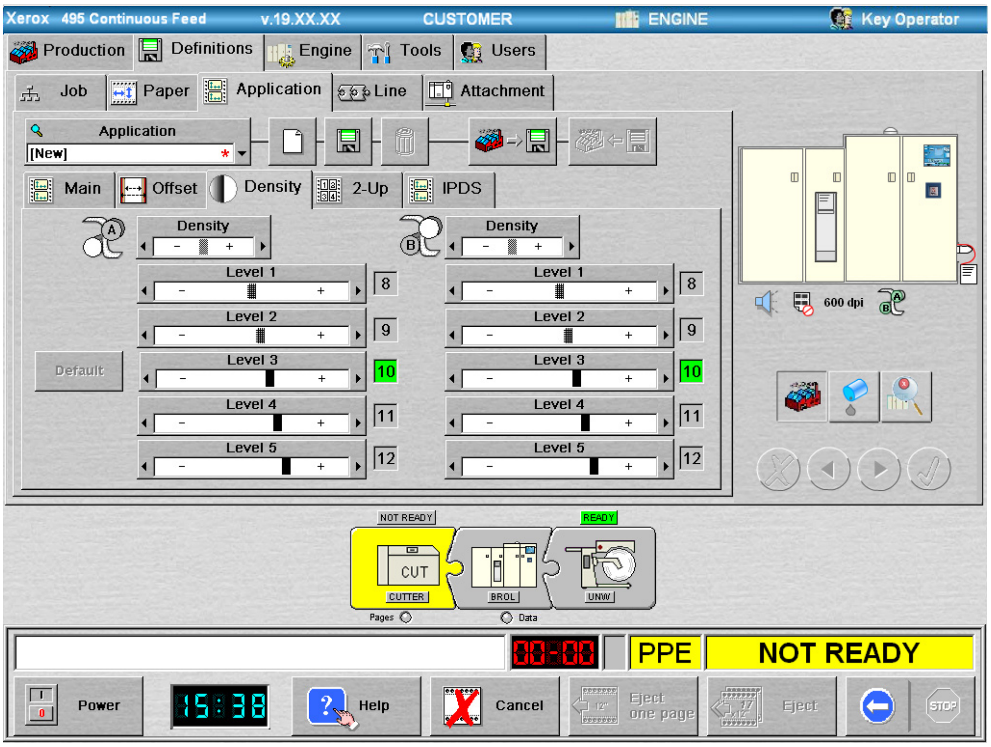
   You can choose to define your margins in inches or in millimeters by pressing the appropriate buttons. The 0 button sets the margins to 0.

   Offsets can also be directly defined or changed in the Notebook of each printer used in the print line.

   Offsets defined or changed in the Notebook are not saved and will be lost once you select another application.

   To save the changes you make to the offset in the Notebook, you have to import them into the **Definitions>Application>Main** tab by pressing the button to import the application parameters from the current **Production** screen.

9. Press the **Density** tab.


Xerox 495 Continuous Feed
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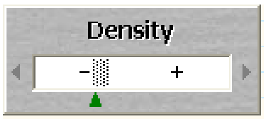
CUSTOMER
ENGINE
Key Operator
Production
Definitions
Engine
Tools
Users
Job
Paper
Application
Line
Attachment
Application
[New]
Main
Offset
Density
2-Up
IPDS
A
Density
B
Density
Level 1
8
Level 2
9
Level 3
10
Level 4
11
Level 5
12
Default
600 dpi
NOT READY
READY
CUT
CUTTER
BROL
UNW
Pages
Data
00-00
PPE
NOT READY
Power
15:38
Help
Cancel
Eject one page
Eject
STOP

Each marking unit has 5 density levels, which can be set from the **Density** tab.

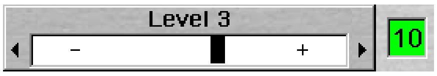
Each of these 5 density levels has 15 contrast levels, which can also be set from the **Density** tab. A contrast level of 1 is the lightest, while a contrast level of 15 is the darkest.

In the Notebook, each density level can be preset to a particular contrast level.

To set each density level, first press the left or right arrows on the density level cursor.



This will highlight the corresponding contrast level cursor, with its current setting in green.



Then, to set the contrast level, press the left or right arrows on the contrast level cursor.

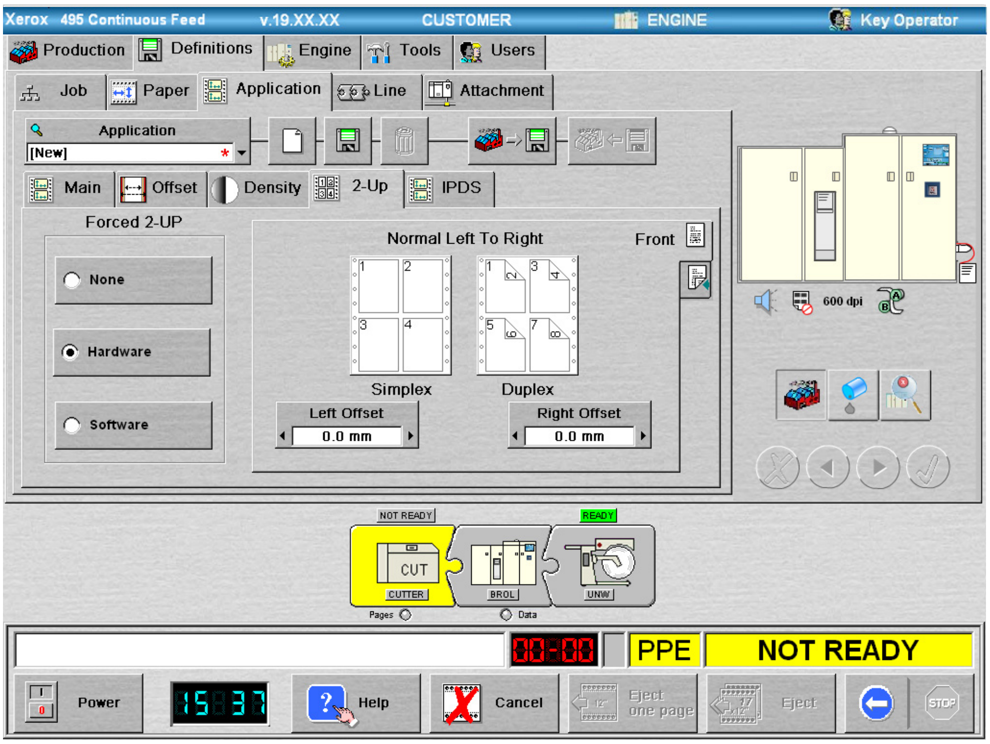
It is recommended that you set density level 1 to your lightest choice of contrast setting, increasing the setting for each of the subsequent density levels, and finally setting density level 5 to your darkest choice of contrast setting.

However, while the above is recommended, the Operator should proceed with caution. It is always possible that density level 1 is set to a darker contrast level than density level 2 and so on. Before making a selection from the Notebook, always note each individual setting.

When you select a contrast between 1 and 7, or between 13 and 15, a warning icon will display to the right of the density level cursor. This is because you have moved outside the default values, between 8 and 12.

Press the Default button to restore 1 to 8, 2 to 9, 3 to 10, 4 to 11 and 5 to 12.

10. Press the **2-up** tab.



Application: [New] *

Forced 2-UP: ○ None ● Hardware ○ Software

Normal Left To Right — Front

Left Offset: 0.0 mm

Right Offset: 0.0 mm

PPE — NOT READY

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Attachment
Main
Offset
Density
2-Up
IPDS
1
2
3
4
5
6
7
8
Simplex
Duplex
600 dpi
NOT READY
READY
CUT
CUTTER
BROL
UNW
Pages
Data
00:00
Power
15837
Help
Cancel
Eject one page
Eject
STOP

Note: *The illustration above shows the 2-up selection for the front side with the back side tab grayed out. When you click the backside tab, the front side tab will be grayed out.*

11. Choose the Forced 2-Up selection that you require.

Note: *When changing from a 1-up job to a 2-up job, the printer must be drained and the attachment disabled. This is because the software 2-up capability is sent to the host at connection time. If the host does not receive this indication, it will not be able to print the job in software 2-up.*

The Forced 2-Up selection affects the output. It is important that you have a properly defined offset under the Main tab before doing fine adjustment in this tab.

12. Press the page representation button repeatedly until the displayed image shows the required disposition of pages on the sheet. The choices are:

- Normal left to right
- Normal right to left
- Inverted left to right
- Inverted right to left

13. Press the arrows on the appropriate Offset button to enter the value,

between -0.5” and +0.5” (-12.7mm and +12.7mm).

Offset buttons allow you to precisely position on the sheet where the logical pages (data) will be printed. This is especially useful when using pre-printed paper.

The **left offset button** is used to position the logical page on the left side of the sheet.

The **right offset button** is used to position the logical page on the right side of the sheet.

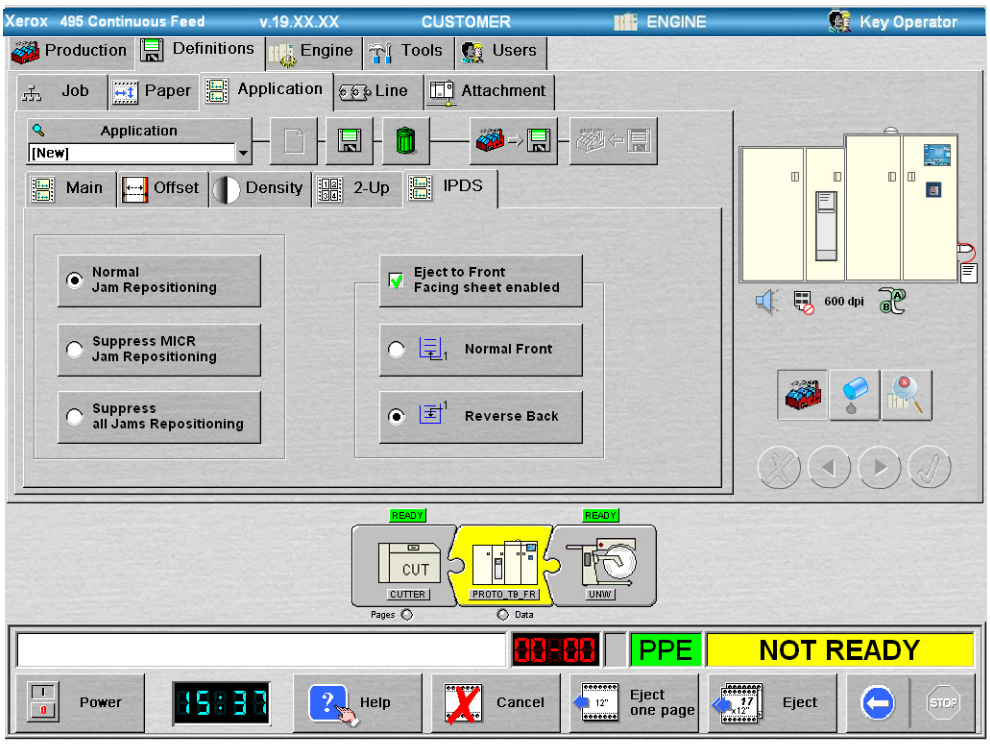
The **Arrows** increment the offset in the appropriate direction in units of 0.1mm or 0.01 inch for each press.

The measurement units defined in the **Definitions>Application>Offset** tab will determine the units displayed here. The three decimal places is to allow a more accurate conversion from mm to inches.

14. Press the **IPDS Tab**, if displayed, and continue. If the **Line Mode** tab is displayed, go to step 17.

    The IPDS screen is displayed.

    Note: *Line Mode will not be active, or displayed on the GUI, unless a channel board is installed.*



Xerox 495 Continuous Feed
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CUSTOMER
ENGINE
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Tools
Users
Job
Paper
Application
Line
Attachment
Application
[New]
Main
Offset
Density
2-Up
IPDS
600 dpi
READY
CUT
CUTTER
PROTO_TB_FR
UNW
READY
Pages
Data
00:00
PPE
NOT READY
Power
15:37
Help
Cancel
Eject one page
Eject
STOP

● Normal Jam Repositioning
○ Suppress MICR Jam Repositioning
○ Suppress all Jams Repositioning

☑ Eject to Front Facing sheet enabled
○ Normal Front
● Reverse Back

15. Choose the **Jam Repositioning** mode required.

    Normal Jam Repositioning - All lost pages are automatically resent and reprinted. This is the normal behavior (to automatically reprint the jammed pages) and the DEFAULT value on the GUI.

    Suppress MICR Jam Repositioning (not available for the 495).

    Suppress all Jams Repositioning - No lost pages will be resent. Any missing or damaged pages must be manually recovered.

16. Check the **Eject to Front Facing Sheet Enabled** box, if required and choose the appropriate mode.

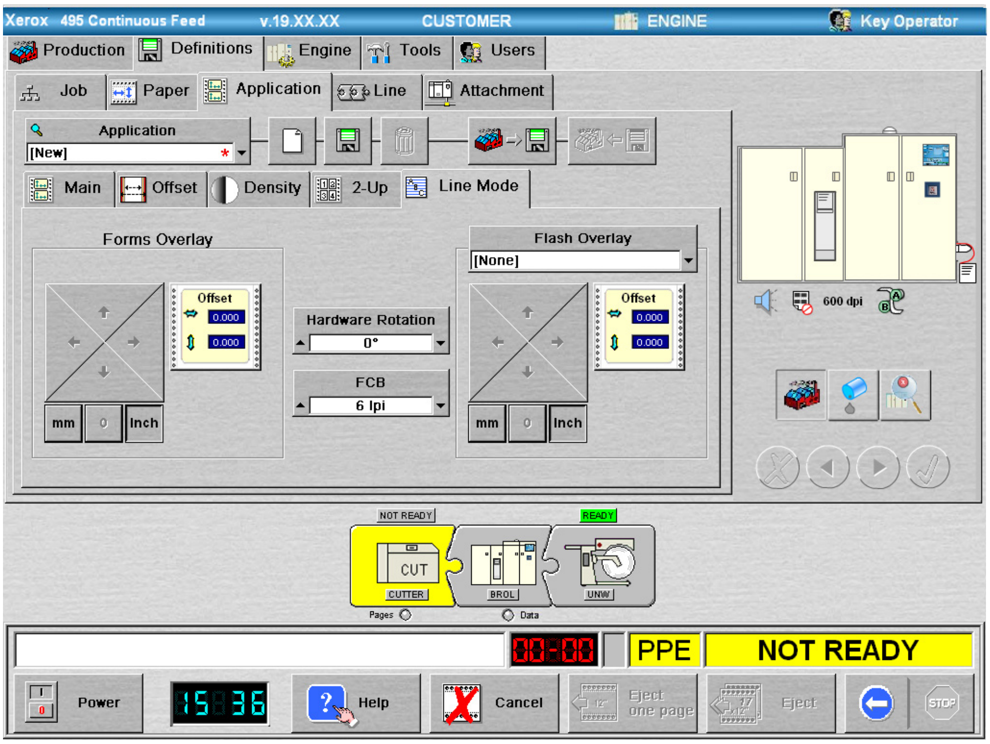
This allows you to request the position of the command sheet when it reaches the stacker.

Normal Front - When a stack is removed from the stacker, the command sheet is facing down. The stack must be turned 180 degrees for the command sheet to face up.

Reverse Back - When a stack is removed from the stacker, the command sheet is facing up.

17. Press the **Line Mode** tab.

    The Line Mode screen is displayed.


Xerox 495 Continuous Feed
v.19.XX.XX
CUSTOMER
ENGINE
Key Operator
Production
Definitions
Engine
Tools
Users
Job
Paper
Application
Line
Attachment
Application
[New]
Main
Offset
Density
2-Up
Line Mode
Forms Overlay
Offset
0.000
0.000
mm
0
Inch
Hardware Rotation
0°
FCB
6 lpi
Flash Overlay
[None]
Offset
0.000
0.000
mm
0
Inch
600 dpi
NOT READY
READY
CUT
CUTTER
BROL
UNW
Pages
Data
00-00
PPE
NOT READY
Power
15 36
Help
Cancel
Eject one page
Eject
STOP

The controls available on this screen will vary according to the emulation chosen.

Note: *This is only available when a line mode emulation is selected.*

18. Set the position of the Forms Overlay (3800-LIPS and 3800-SPOOL only) using the **Offset** arrows to define the positioning of the overlay on the page in the direction shown by the arrow.

    The forms overlay is an electronic form into which the data is placed.

    The settings can be entered in millimeters or inches by pressing the corresponding buttons. The 0 button resets the margins to 0. The settings made will be displayed in the **Offset** display to the right of the arrows.

19. Choose the image rotation, 0°, 90°, 180° or 270°, required.

20. Choose the lines per inch FCB to use. The choices are 6, 8, 10 or 12 lines per inch.

21. Set the position of the Flash Overlay (Line Mode emulations only) using the **Offset** arrows to define the positioning of the overlay on the page in the direction shown by the arrow.

    The flash overlay is a bitmap image that will be placed in the same place on each printed page. Flash overlays can be imported from floppy disc or CD (see "Importing flash overlays" on page 7-34).

The settings can be entered in millimeters or inches by pressing the corresponding buttons. The 0 button resets the margins to 0. Settings made will be displayed in the **Offset** display to the right of the arrows.

22. Press the 💾 button to save the current application.

    The **Save** screen containing the list of existing applications is displayed.

23. For a new application, select the **Write As** field, enter a name for the application using the alphanumeric keyboard and press the ✓ button.

24. Press ✓ on the **Save** screen.

    Note: *When you press* ✓*, you will be prompted to confirm whether you want to replace an existing definition if it already exists.*

    For immediate use the new definition will need to be exported to the Production screen where it will be selected (see below). Otherwise, the definition will be available the next time it is selected on the Production screen.

Copying an application definition

If you want a copy of the application definition, select an application definition on the Application tab and use the **Write As** feature to rename it.

The name of the selected definition will be displayed and highlighted.

To enter a new name, use the alphanumeric keyboard or press << to clear the field and enter the name.

To edit the displayed name, press < or > to place the cursor in the correct position and enter the new information using the alphanumeric keyboard.

Exporting an application definition to the Production screen

Press the 🖨 ← 💾 button to export the application definition to the current **Production** screen.

Exporting definitions will not be possible in the following situations:

- When the printer is set to **Ready**. The printer needs to be in a Not Ready state; otherwise the button is grayed out.
- When trying to export a definition that is no different to a definition of the same name already existing on the **Production** screen. In this case, the button is also grayed out. To be able to export a definition that has the same name as one already on the **Production** screen, you will need to have made changes to that definition.

Importing an application definition from the Production screen

The application definitions can all be amended from the Production screen. You may want to create or amend the application definition from the settings there.

To create or amend an application from a production application:

1. Select the **Definitions** tab, then the **Application** tab.
2. Press the button to import the application parameters from the current **Production** screen. The parameters set in the **Production** screen are then applied to the **Application** screen. Importing is impossible if the application is in the process of modification or if it has the same name as that on the **Application** screen.
3. Press the 💾 button to save the current application.

   The **Save** screen containing the list of existing applications is displayed.
4. For a new application, select the **Write As** field, enter a name for the application using the alphanumeric keyboard and press the **Enter** button.
5. Press ✓ on the **Save** screen.

   Note: *When you press ✓, you will be prompted to confirm whether you want to replace an existing definition if it already exists.*

Deleting an application definition

To delete an application definition:

1. Select the **Definitions** tab, then the **Application** tab.
2. Choose an **Application** from the pull-down list.
3. Press the 🗑 button to delete the application.

   The **Delete** screen containing the list of existing applications is displayed. Press ✓ to delete the application or ✗ to exit without deleting.

   Note: *You cannot delete the **Default Application**. Deletion is also impossible if the application is referred to in a job. For this purpose, the **Jobs** button can be used to list all the jobs to which this application name is attached.*

Defining a paper path

Note: *To define a paper path you must have the User status of* ***Key Operator*** *or higher.*

A line definition determines the print line to be used. The print line is the printer and the pre- and post-processing equipment used.

A line is created by dragging and dropping a representation of the device from the selection on a pull-down list to a representation of the whole print line. The ejection length, which is the page length multiplied by the number of pages needed to reach the next device plus 36 inches (914mm) between two printers for slack, is input.

The **Default Line** configuration is Xerox 495 Continuous Feed Duplex Printer in stand-alone mode.

Creating or amending a print line

If any pre- or post-processing equipment is not ready, the printing system will not be started.

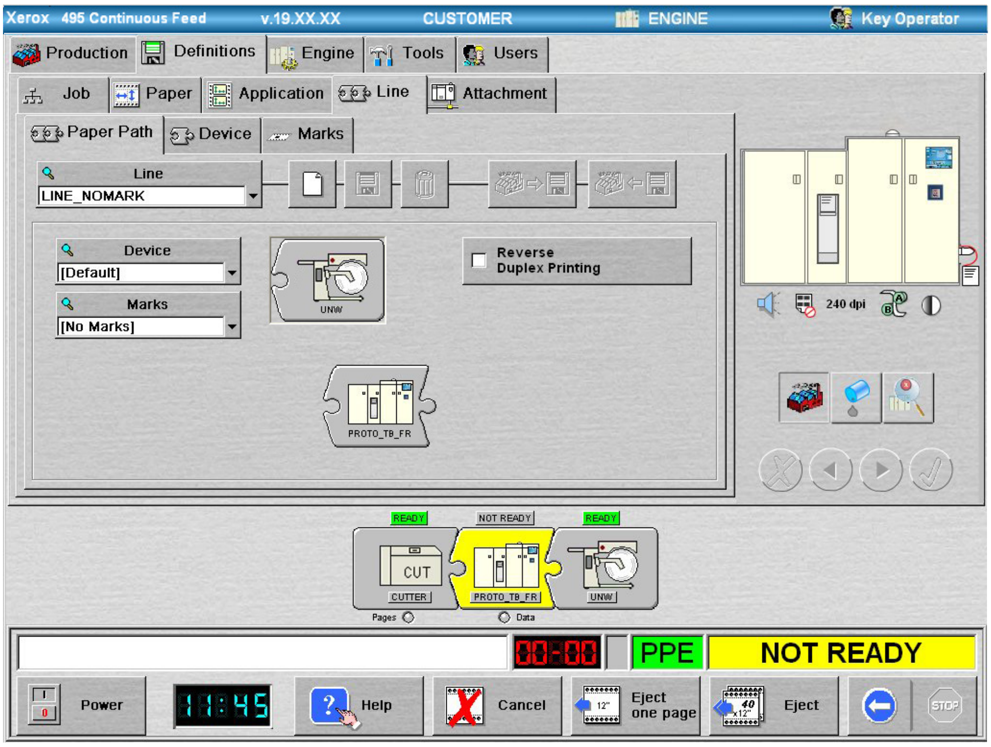
To define the print line:

1. Select the **Definitions** tab, the **Line** tab, then the **Paper Path** tab.

   The Line screen groups the devices associated with the print line and also the ability to enter processing marks.

2. Press the 🗋 button to create a new line or choose an existing **Line** from the pull-down list.

3. Choose a **Device** from the pull-down list. A device icon is displayed beside the pull-down list.


Xerox 495 Continuous Feed
v.19.XX.XX
CUSTOMER
ENGINE
Key Operator
Production
Definitions
Engine
Tools
Users
Job
Paper
Application
Line
Attachment
Paper Path
Device
Marks
UNW
PROTO_TB_FR
240 dpi
READY
NOT READY
READY
CUT
CUTTER
PROTO_TB_FR
UNW
Pages
Data
Power
Help
Cancel
12"
Eject one page
40 x12"
Eject
STOP

Line: LINE_NOMARK

Device: [Default]

Marks: [No Marks]

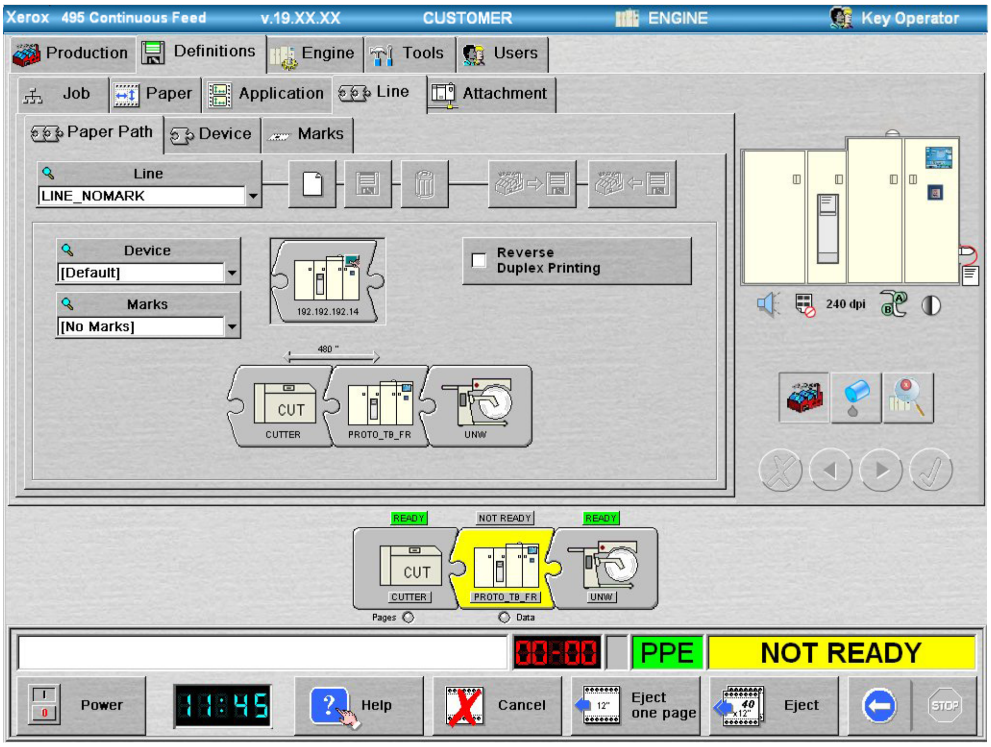
☐ Reverse Duplex Printing

00:00 PPE NOT READY

11:45

4. Press on the device icon and, keeping your finger on the screen, drag it to the line representation being created.

   The added device interlocks with the existing devices in the position chosen.


Xerox 495 Continuous Feed
v.19.XX.XX
CUSTOMER
ENGINE
Key Operator
Production
Definitions
Engine
Tools
Users
Job
Paper
Application
Line
Attachment
Paper Path
Device
Marks
192.192.192.14
480 "
CUT
CUTTER
PROTO_TB_FR
UNW
240 dpi
READY
NOT READY
READY
Pages
Data
00:00
PPE
NOT READY
Power
11:45
Help
Cancel
Eject one page
Eject
STOP

Line: LINE_NOMARK

Device: [Default]

Marks: [No Marks]

☐ Reverse Duplex Printing

Note: *You can only add the device to the appropriate end of the printer.*

To delete an item from the line, drag the item from the line. The representation changes to a waste bin.

Drag the item to the waste bin to remove it from the line.

5. Enter the eject distance between devices, press the distance arrow and enter the new value through the keyboard.

   To determine the eject distances:

   a. Load perforated paper on the entire print line.
   b. For each device, count the number of sheets between devices.
   c. Multiply this number by the distance between perforations.
   d. When calculating the distance between the printer engines, add a further 36 inches (914mm).
   e. This is the distance to enter.

6. Check the **Reverse Duplex Printing** box if it is necessary to print the back on the first marking unit and the front on the second (see "Front and back marking units" on page 2-2).

7. If you are using a post-processing device that requires processing marks to be printed (a cutter for example), choose the appropriate marks from the **Marks** pull-down list. See “Defining processing marks” on page 24. for details of how to create processing marks.

8. Press the 💾 button to save the current line.

   The **Save** screen containing the list of existing lines is displayed.

9. For a new line, select the **Write Line As** field, enter a name for the line using the alphanumeric keyboard and press the **Enter** button.

10. Press ✓ on the **Save** screen.

    Note: *When you press ✓, you will be prompted to confirm whether you want to replace an existing definition if it already exists.*

For immediate use the new definition will need to be exported to the Production screen where it will be selected (see below). Otherwise, the definition will be available the next time it is selected on the Production screen.

Exporting a line definition to the Production screen

Press the 🏭←💾 button to export the line definition to the current **Production** screen.

Exporting definitions will not be possible in the following situations:

- When the printer is set to **Ready**. The printer needs to be in a Not Ready state; otherwise the button is grayed out.
- When trying to export a definition that is no different to a definition of the same name already existing on the **Production** screen. In this case, the button is also grayed out. To be able to export a definition that has the same name as one already on the **Production** screen, you will need to have made changes to that definition.

Deleting a line definition

To delete a line definition:

1. Select the **Definitions** tab, then the **Line** tab.
2. Choose a **Line** from the pull-down list.
3. Press the 🗑 button to delete the line.

   The **Delete** screen containing the list of existing lines is displayed.

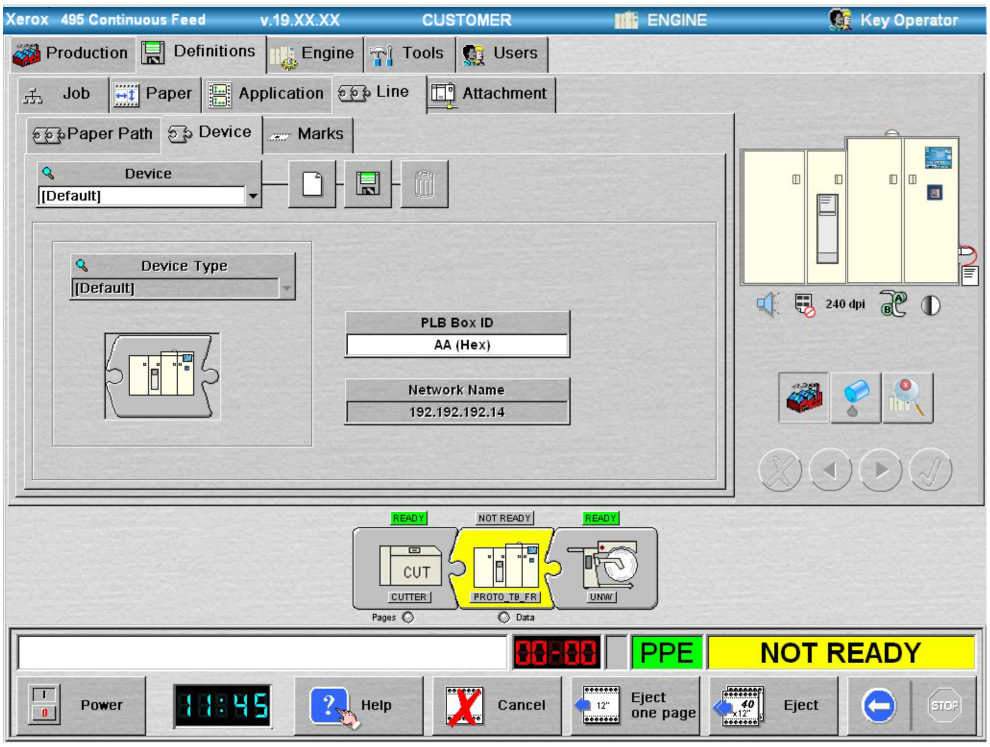
   Press ✓ to delete the line or ✗ to exit without deleting.

   Note: *You cannot delete the* ***Default Line****.*

Reviewing installed devices

You can review the settings for any device from the Device tab.

1. Select the **Definitions** tab, the **Line** tab, then the **Device** tab.
2. Choose a **Device** from the pull-down list.



Xerox 495 Continuous Feed v.19.XX.XX CUSTOMER ENGINE Key Operator

Device: [Default]

Device Type: [Default]

PLB Box ID: AA (Hex)

Network Name: 192.192.192.14

Production
Definitions
Engine
Tools
Users
Job
Paper
Application
Line
Attachment
Paper Path
Device
Marks
240 dpi
READY
NOT READY
READY
CUT
CUTTER
PROTO_TB_FR
UNW
Pages
Data
00:00
PPE
NOT READY
Power
11:45
Help
Cancel
12"
Eject one page
40 x12"
Eject
STOP

Details of the device are shown on the screen.

Note: *Only devices defined for your configuration are listed.*

Once you have selected a device, the image changes and details of that device are displayed. These details include the network name, if a printer has been selected and the PLB address, if the device is connected to the Print Line Bus.

Defining processing marks

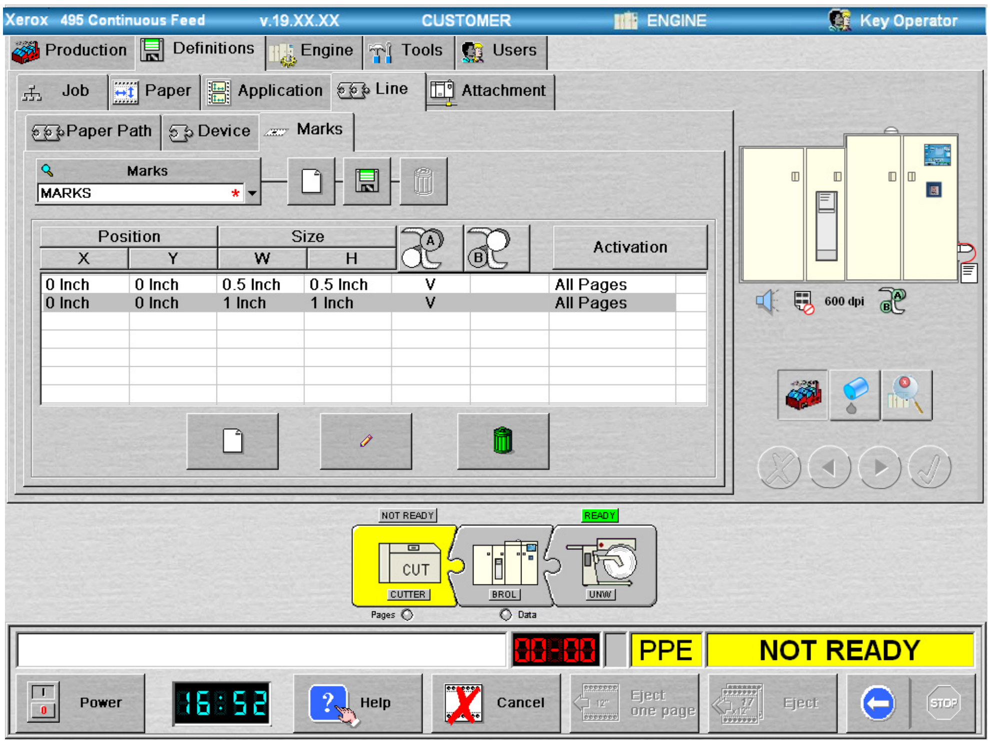
Processing marks are required by some post-processing devices for synchronization. You can define the number of marks and the size and position of these marks for each side of the printed page. Refer to "Valid print area (VPA)" on page 7-37 before defining processing marks.

The exact specifications for these marks will be determined by the manufacturer of the post processing equipment.

To create or amend processing marks:

1. Select the **Definitions** tab, the **Line** tab, then the **Marks** tab.
2. Press the 🗋 button to create a new marks definition or choose

an existing **Marks** definition from the pull-down list.


Xerox 495 Continuous Feed
v.19.XX.XX
CUSTOMER
ENGINE
Key Operator
Production
Definitions
Engine
Tools
Users
Job
Paper
Application
Line
Attachment
Paper Path
Device
Marks
600 dpi
NOT READY
READY
CUT
CUTTER
BROL
UNW
Pages
Data
Power
Help
Cancel
Eject one page
Eject
STOP

Marks: MARKS

Position		Size		A	B	Activation
X	Y	W	H			
0 Inch	0 Inch	0.5 Inch	0.5 Inch	V		All Pages
0 Inch	0 Inch	1 Inch	1 Inch	V		All Pages

00:00 PPE NOT READY

16:52

A table showing details of the marks is shown on the screen.

- The X position is the distance from the edge of the paper nearest the front of the machine.
- The Y position is the distance from the leading edge of the paper.
- The W is the width of the mark measured from front to back of the machine. The maximum value is 18 inches (457.2mm).
- The H is the height of the mark in the paper movement direction. The maximum value is 18 inches (457.2 mm) or 14 inches (355.6 mm) if using the stacker.
- The columns identified by the side icons (front - and back- marking units) show the side for which the settings have been made (see "Front and back marking units" on page 2-2).

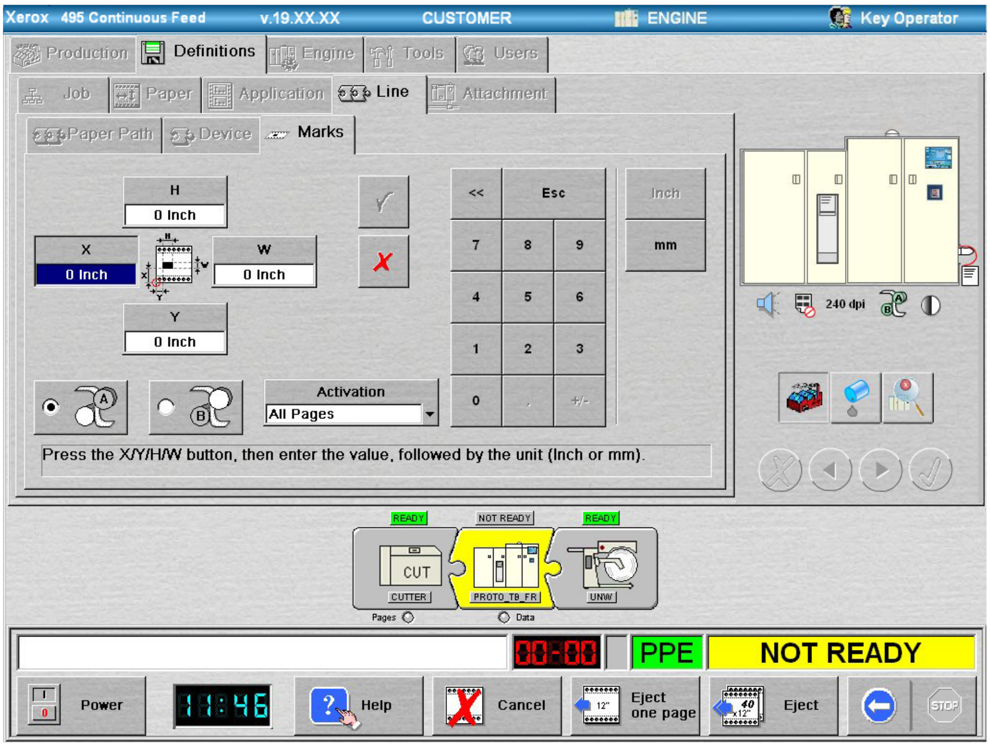
Note: If you specify the marks definition outside the printable area, you will fall into error. If you specify a value lower than 0.1mm, it defaults to 0mm.

3. Press the button to enter details of a new mark;

   or highlight an entry in the table and press the button to modify an existing mark;

   or highlight an entry in the table and press the button to delete an existing mark.

The marks entry screen is displayed.


Xerox 495 Continuous Feed
v.19.XX.XX
CUSTOMER
ENGINE
Key Operator
Production
Definitions
Engine
Tools
Users
Job
Paper
Application
Line
Attachment
Paper Path
Device
Marks
<<
Esc
7
8
9
4
5
6
1
2
3
0
.
+/-
Inch
mm
240 dpi
READY
NOT READY
READY
CUT
CUTTER
PROTO_TB_FR
UNW
Pages
Data
00:00
PPE
Power
11:46
Help
Cancel
Eject one page
Eject
STOP

H: 0 Inch

X: 0 Inch

W: 0 Inch

Y: 0 Inch

Activation: All Pages

Press the X/Y/H/W button, then enter the value, followed by the unit (Inch or mm).

NOT READY

4. Press the side icon, front - A or back- B (see "Front and back marking units" on page 2-2) on the lower left side of the tab window until the appropriate side is displayed (back is shown in the illustration above).
5. For each dimension, press the appropriate button and enter the value using the keypad.
6. Press the Inch or the mm buttons to choose the measurement units to be used (1 inch = 25.4mm).
7. Repeat steps 4 and 5 for the other side of the paper, if required.
8. Choose when the marks will be activated. The choices are:
   - Printed on **All Pages**.
   - Printed on **Alignment Pages** only.
   - Printed on receipt of an **AOS** command from the host.
   - Printed on **Job Pages**.
   - **Disabled**.
9. Press ✓ to accept the details and return to the **Marks** tab.
10. Press the 💾 button to save the marks definition.

    The **Save** screen containing the list of existing marks is displayed.
11. For a new marks definition, select the **Write Marks As** field, enter a name for the marks using the alphanumeric keyboard and press the

Enter button.

12. Press ✓ on the **Save** screen.

    Note: *When you press ✓, you will be prompted to confirm whether you want to replace an existing definition if it already exists.*

Deleting a marks definition

To delete a marks definition:

1. Select the **Definitions** tab, the **Line** tab, then the **Marks** tab.
2. Choose a **Marks** definition from the pull-down list.
3. Press the 🗑 button to delete the marks definition.

   The **Delete** screen containing the list of existing marks definitions is displayed. Press ✓ to delete the definition or ✗ to exit without deleting.

Defining the attachment

There are two types of attachment, IBM Channel and TCP/IP.

Note: *To define a Channel or TCP/IP attachment you must have the User status of Key Operator or higher. To define a File attachment, you must be a Maintenance or Support user.*

An attachment definition determines the way in which the attached host system is connected.

Creating or amending an IBM Channel attachment configuration

The Defaults for the **Channel** attachment configuration are as follows:

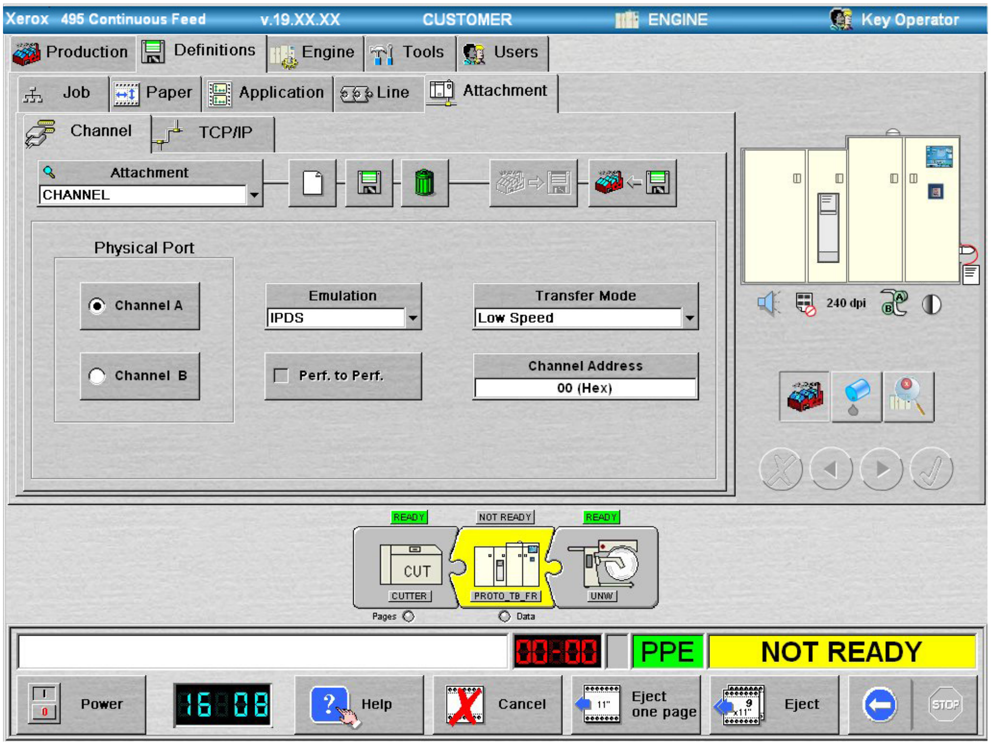
- **Emulation** pull-down list - IPDS
- **Physical Port** buttons - Channel A
- **Channel Address** field - 02
- **Transfer Mode** pull-down list - High Speed

Note: *An asterisk (*) is displayed to the right of the* ***Attachment*** *pull-down list for any modification made to any of the settings on the screen.*

To create or amend an IBM Channel attachment:

1. Select the **Definitions** tab, the **Attachment** tab, then the **Channel** tab.

   The **Channel** screen groups the IBM Channel host connection related settings.



Attachment: CHANNEL

Physical Port
● Channel A
○ Channel B

Emulation: IPDS

☐ Perf. to Perf.

Transfer Mode: Low Speed

Channel Address: 00 (Hex)

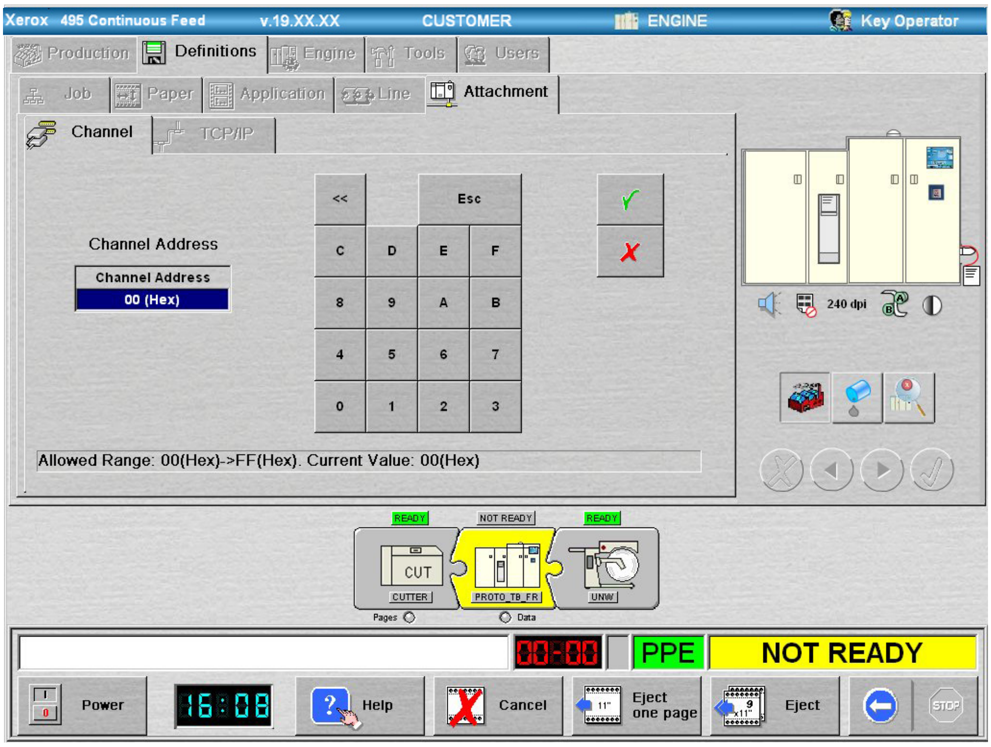
Xerox 495 Continuous Feed
v.19.XX.XX
CUSTOMER
ENGINE
Key Operator
Production
Definitions
Engine
Tools
Users
Job
Paper
Application
Line
Attachment
Channel
TCP/IP
240 dpi
READY
NOT READY
READY
CUT
CUTTER
PROTO_TB_FR
UNW
Pages
Data
00:00
PPE
NOT READY
Power
16:08
Help
Cancel
Eject one page
Eject
STOP

2. Press the 🗋 button to create a new attachment or choose an existing **Attachment** from the pull-down list.

3. Press the **Physical Port** radio button corresponding to the system to which your printer is attached. This is Channel A or Channel B.
4. Select the required **Emulation** from the pull-down list.

   The current emulation is IPDS.
5. Press the **Channel Address** field.

   A dialog box opens up.


Xerox 495 Continuous Feed
v.19.XX.XX
CUSTOMER
ENGINE
Key Operator
Production
Definitions
Engine
Tools
Users
Job
Paper
Application
Line
Attachment
Channel
TCP/IP
<<
Esc
C
D
E
F
8
9
A
B
4
5
6
7
0
1
2
3
240 dpi
READY
NOT READY
READY
CUT
CUTTER
PROTO_TB_FR
UNW
Pages
Data
00:00
PPE
NOT READY
Power
16:08
Help
Cancel
Eject one page
Eject
STOP

Channel Address

Channel Address: 00 (Hex)

Allowed Range: 00(Hex)->FF(Hex). Current Value: 00(Hex)

6. Enter the physical address of the channel to which your printer is connected (from 00 to FF in hexadecimal) on the keyboard.
7. Press ✓.
8. Select the **Transfer Mode** from the pull-down list. The current available transfer modes are:
   - Low Speed
   - High Speed
   - Data Streaming 1.1
   - Data Streaming 1.5
   - Data Streaming 3.0
   - Data Streaming 4.5
9. Press the 💾 button to save the current line attachment.

   The **Save** screen containing the list of existing attachments is displayed.
10. For a new attachment, select the **Write As** field, enter a name for the

attachment using the alphanumeric keyboard and press the ✓ button.

11. Press ✓ on the **Save** screen.

Note: *When you press* ✓*, you will be prompted to confirm whether you want to replace an existing definition if it already exists.*

For immediate use the new definition will need to be exported to the Production screen where it will be selected (see "Exporting an attachment definition to the Production screen" on page 7-33). Otherwise, the definition will be available the next time it is selected on the Production screen.

Creating or amending a TCP/IP attachment configuration

The Default for the **TCP/IP** attachment configuration is as follows:

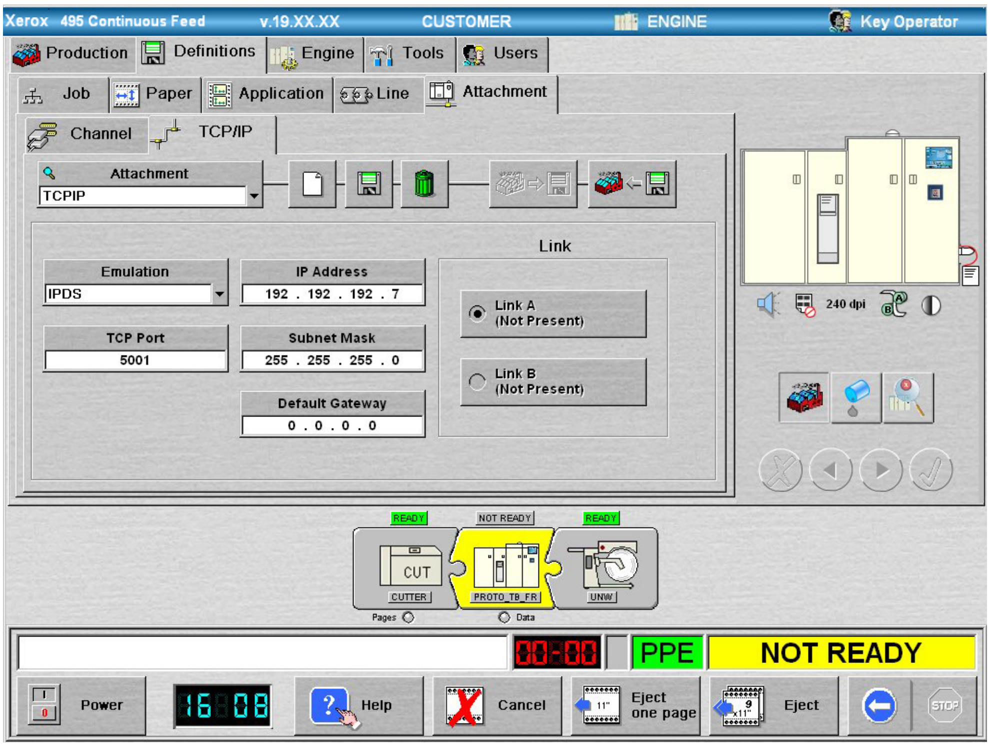
- **Emulation** pull-down list - IPDS

Note: *An asterisk (*) is displayed to the right of the* ***Attachment*** *pull-down list for any modification made to any of the settings on the screen.*

To create or amend a TCP/IP attachment:

1. Select the **Definitions** tab, the **Attachment** tab, then the **TCP/IP** tab.

The **TCP/IP** screen groups the TCP/IP host connection related settings.



Attachment: TCPIP

Emulation: IPDS

IP Address: 192 . 192 . 192 . 7

TCP Port: 5001

Subnet Mask: 255 . 255 . 255 . 0

Default Gateway: 0 . 0 . 0 . 0

Link

● Link A (Not Present)

○ Link B (Not Present)

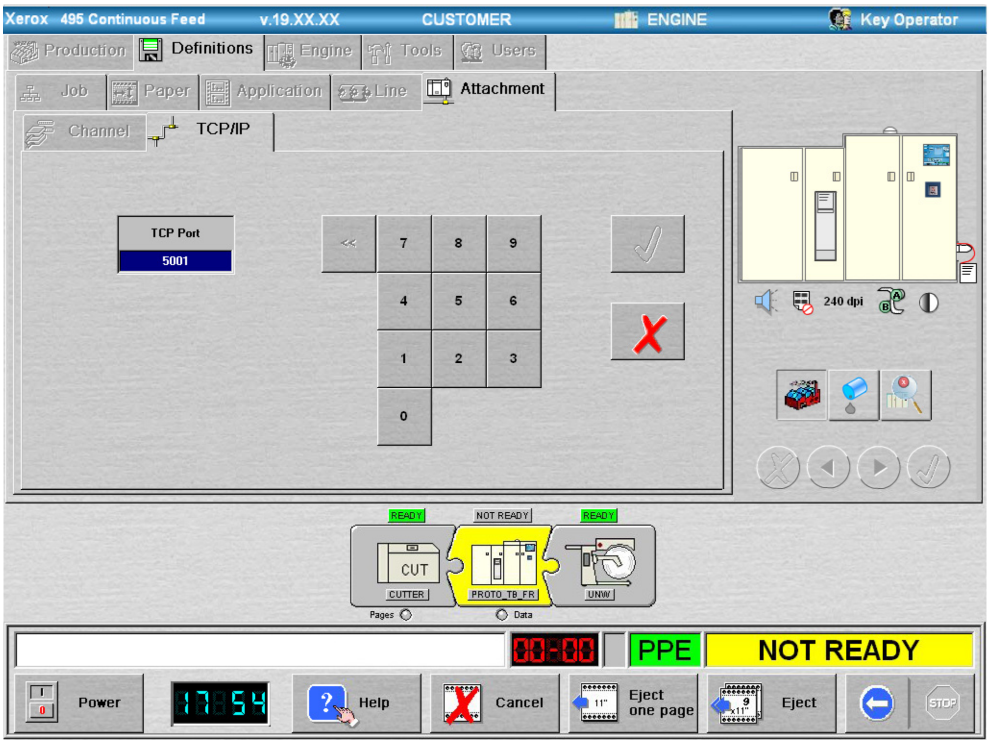
Xerox 495 Continuous Feed
v.19.XX.XX
CUSTOMER
ENGINE
Key Operator
Production
Definitions
Engine
Tools
Users
Job
Paper
Application
Line
Attachment
Channel
TCP/IP
240 dpi
READY
NOT READY
READY
CUT
CUTTER
PROTO_TB_FR
UNW
Pages
Data
00:00
PPE
NOT READY
Power
16 08
Help
Cancel
11"
Eject one page
Eject
STOP

2. Press the 🗋 button to create a new attachment or choose an existing **Attachment** from the pull-down list.

3. Select the required **Emulation** from the pull-down list.

   The current available emulation is IPDS.

4. Press the **TCP Port** field to insert a new port or leave the default one as it is.

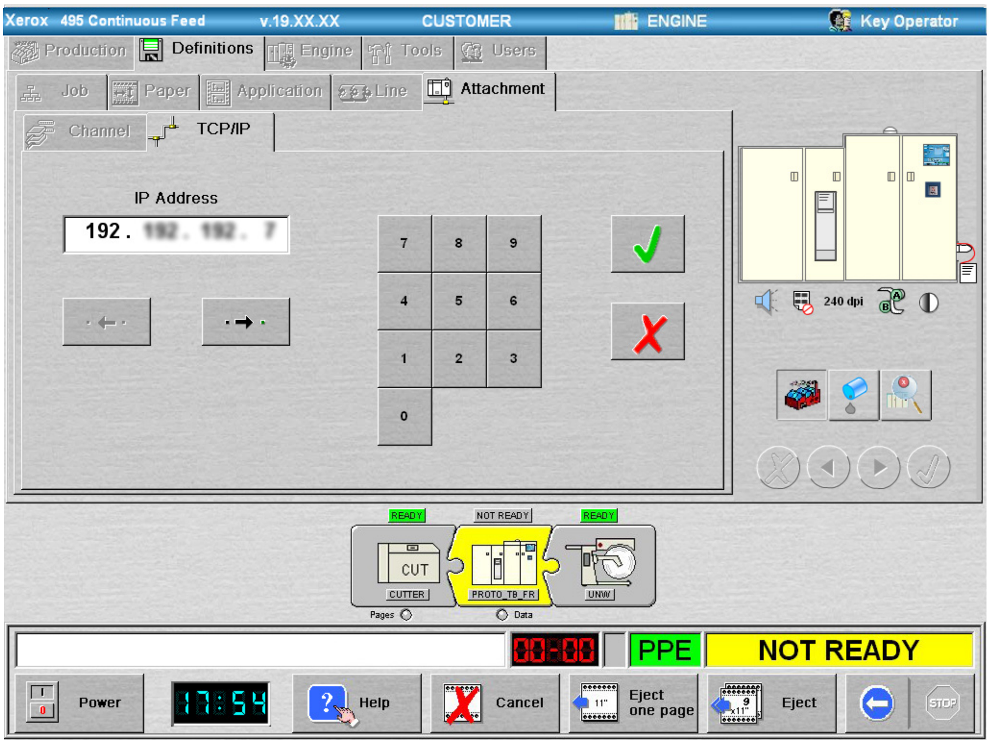


Xerox 495 Continuous Feed v.19.XX.XX CUSTOMER ENGINE Key Operator
Production
Definitions
Engine
Tools
Users
Job
Paper
Application
Line
Attachment
Channel
TCP/IP
<<
7
8
9
4
5
6
1
2
3
0
240 dpi
READY
NOT READY
READY
CUT
CUTTER
PROTO_TB_FR
UNW
Pages
Data
00:00
PPE
NOT READY
Power
17:54
Help
Cancel
Eject one page
Eject
STOP

TCP Port 5001

5. Use the window keyboard to enter your selection then press ✓.

   Note: *Steps 6 to 8 which set values for IP Address, Subnet Mask,* *Default Gateway fields will open up a dialog box upon selection.*



IP Address 192. 192. 192. 7

Xerox 495 Continuous Feed
v.19.XX.XX
CUSTOMER
ENGINE
Key Operator
Production
Definitions
Engine
Tools
Users
Job
Paper
Application
Line
Attachment
Channel
TCP/IP
7
8
9
4
5
6
1
2
3
0
240 dpi
READY
NOT READY
READY
CUT
CUTTER
PROTO_TB_FR
UNW
Pages
Data
00:00
PPE
NOT READY
Power
17:54
Help
Cancel
Eject one page
Eject
STOP

6. Press the **IP Address** field to insert a new address or leave as default.
7. Press the **Subnet Mask** field to insert a new mask or leave as default.
8. Press the **Default Gateway** field to insert a gateway or leave as default.
9. In the **Link** box, select the appropriate link. Select only the link that is currently indicated as “Present”.
10. Press the 💾 button to save the current line attachment.

    The **Save** screen containing the list of existing attachments is displayed.
11. For a new attachment, select the **Write As** field, enter a name for the attachment using the alphanumeric keyboard and press the **Enter** button.
12. Press ✓ on the **Save** screen.

Note: *When you press* ✓, *you will be prompted to confirm whether you want to replace an existing definition if it already exists.*

For immediate use, export the new definition to the Production screen where it will be selected (see below). Otherwise, the definition will be available the next time it is selected on the Production screen.

Copying an attachment definition

If you want a copy of the attachment definition, select an attachment definition on the Attachment tab and use the **Write As** feature to rename it.

The name of the selected definition will be displayed and highlighted.

To enter a new name, use the alphanumeric keyboard or press << to clear the field and enter the name.

To edit the displayed name, press < or > to place the cursor in the correct position and enter the new information using the alphanumeric keyboard.

Exporting an attachment definition to the Production screen

Press the 🖨 ← 💾 button to export the attachment definition to the current **Production** screen.

Exporting definitions will not be possible in the following situations:

- When the printer is set to **Ready**. The printer needs to be in a Not Ready state; otherwise the button is grayed out.
- When trying to export a definition that is no different to a definition of the same name already existing on the **Production** screen. In this case, the button is also grayed out. To be able to export a definition that has the same name as one already on the **Production** screen, you will need to have made changes to that definition.

Deleting an attachment definition

To delete an attachment definition:

1. Select the **Definitions** tab, the **Attachment** tab, then the appropriate type of attachment (**Channel** or **TCP/IP**) tab.
2. Choose an **Attachment** from the pull-down list.
3. Press the 🗑 button to delete the attachment.

   The **Delete** screen containing the list of existing attachments is displayed. Press ✓ to delete the attachment or ✗ to exit without deleting.

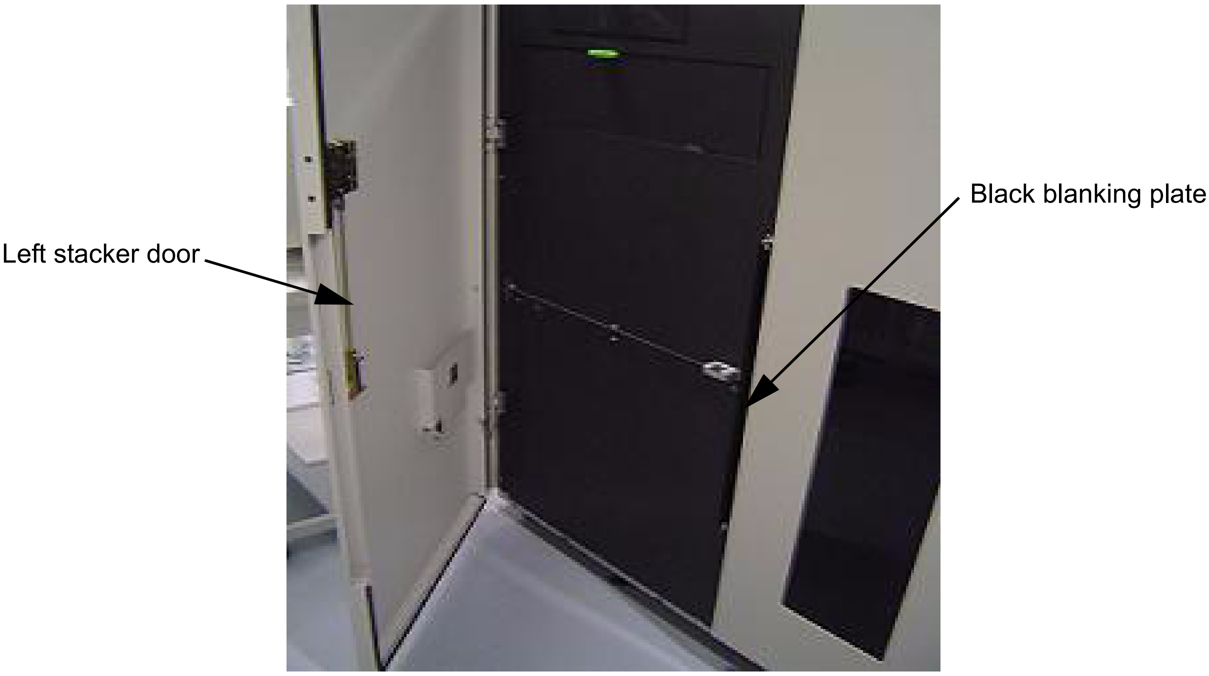
   Note: *You cannot delete the Default Attachment or an attachment definition in use within the Production screen.*

Importing flash overlays

A flash overlay is a bitmap image that will be placed in the same place on each printed page. Flash overlays can be imported from a CD. Once imported, they can be renamed or deleted from the system.

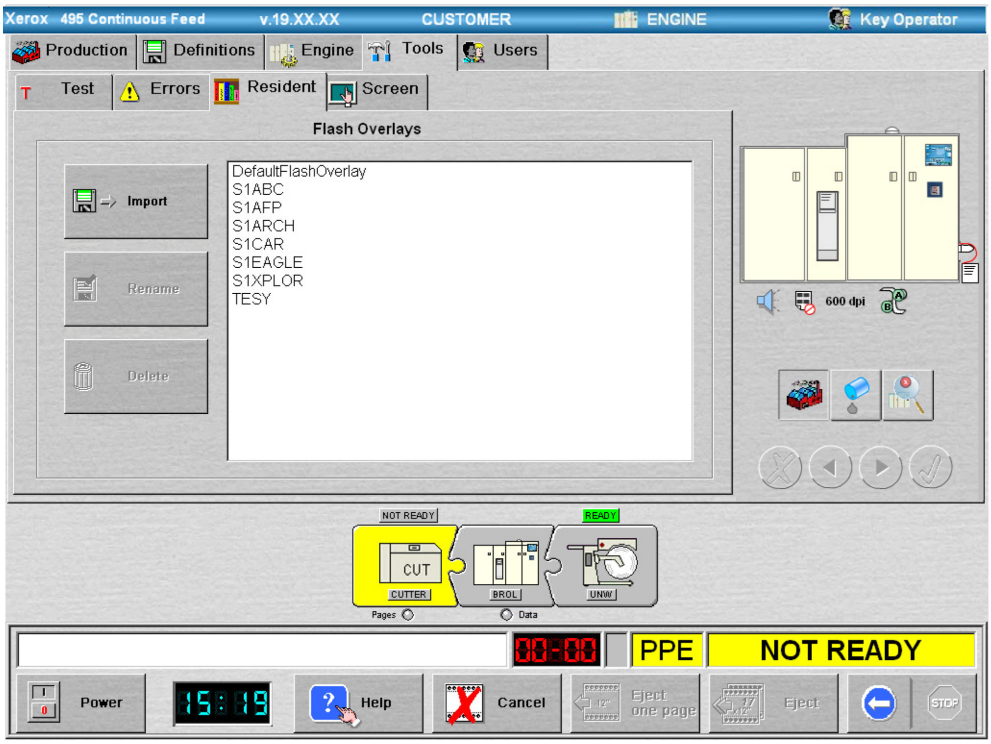
Flash overlays can only be used in Line Mode (option) emulations.

1. Open the left stacker door of the printer. A black blanking panel is located in front of the Stampa PC. This panel contains a small sliding door that, when opened, allows access to the CD-ROM drive of the Stampa PC.



2. Unscrew the top left screw of the sliding door and slide open.
3. Insert the CD into the CD-ROM drive on the Stampa PC.

4. Select the **Tools** tab, then the **Resident** tab.


Xerox 495 Continuous Feed
v.19.XX.XX
CUSTOMER
ENGINE
Key Operator
Production
Definitions
Engine
Tools
Users
Test
Errors
Resident
Screen
Flash Overlays
Import
Rename
Delete
600 dpi
NOT READY
READY
CUT
CUTTER
BROL
UNW
Pages
Data
00-00
PPE
NOT READY
Power
15:19
Help
Cancel
Eject one page
Eject
STOP

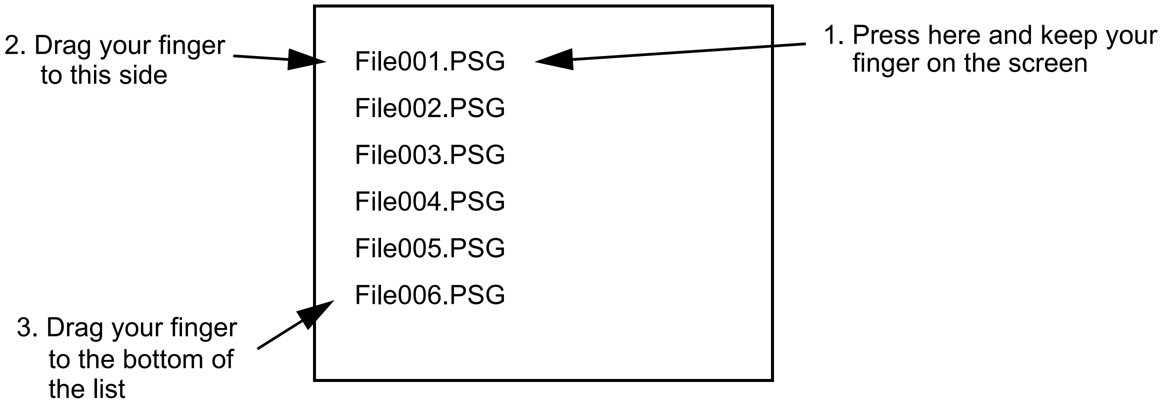
DefaultFlashOverlay
S1ABC
S1AFP
S1ARCH
S1CAR
S1EAGLE
S1XPLOR
TESY

5. Press Import .

6. Navigate to where the overlays are located.

7. Choose the overlays to import.

Note: *You can select multiple files as long as they are consecutive. To do this, touch the screen to the right of the first file, keep your finger on the screen and drag it left across that file name. With your finger still on the screen, drag it down the list until all of the names are highlighted.*


File001.PSG
File002.PSG
File003.PSG
File004.PSG
File005.PSG
File006.PSG

1. Press here and keep your finger on the screen

2. Drag your finger to this side

3. Drag your finger to the bottom of the list

8. Press ✓.

The files will be imported.

9. Remove the CD from the CD-ROM drive of the Stampa PC.
10. Move the sliding door back into place and fix the top left screw.
11. Close the left stacker door.

To delete a flash overlay:

1. Select the **Tools** tab, then the **Resident** tab.
2. Select the file that you want to delete.
3. Press ✗.
4. Confirm the deletion.

To rename a flash overlay:

1. Select the **Tools** tab, then the **Resident** tab.
2. Select the file that you to rename.
3. Press the **Rename** button.
4. Enter the new name.
5. Press ✓.

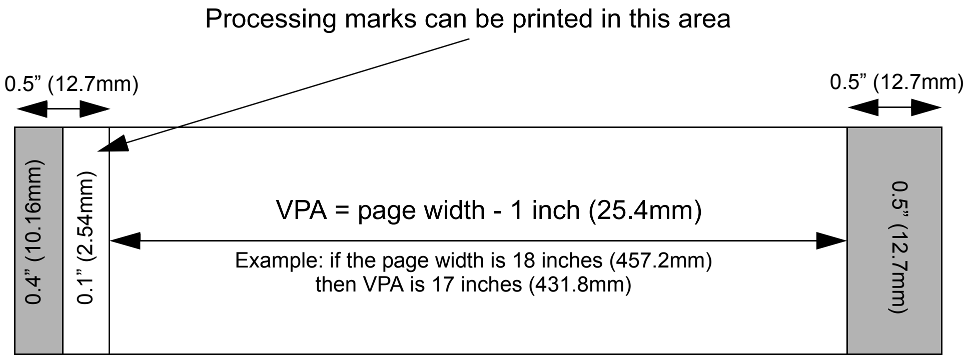
Valid print area (VPA)

The data will be printed centrally on the page with a margin of 0.5 inches (12.7mm) either side. This is called the Valid Print Area (VPA).

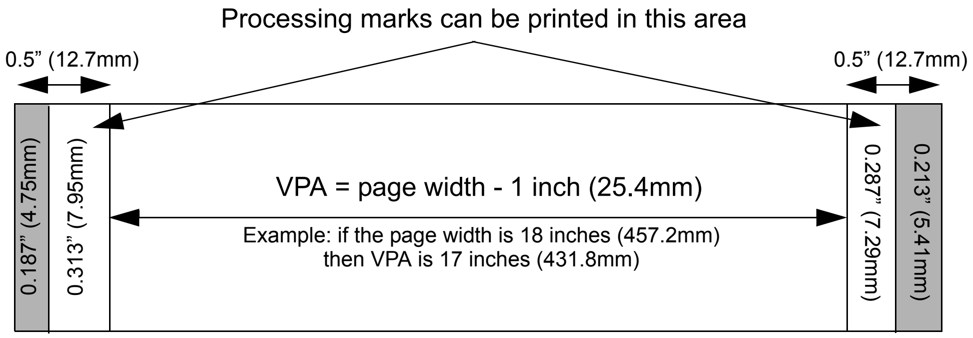
If the page is offset in the **Notebook** or on the **Application > Offset** tab so that the data moves into the margin, the image will be clipped.

Processing marks can be placed outside the VPA with the following limitations

▨ Non-print area


Processing marks can be printed in this area
0.5” (12.7mm)
0.5” (12.7mm)
0.4” (10.16mm)
0.1” (2.54mm)
VPA = page width - 1 inch (25.4mm)
Example: if the page width is 18 inches (457.2mm)
then VPA is 17 inches (431.8mm)
0.5” (12.7mm)

240 dpi resolution


Processing marks can be printed in this area
0.5” (12.7mm)
0.5” (12.7mm)
0.187” (4.75mm)
0.313” (7.95mm)
VPA = page width - 1 inch (25.4mm)
Example: if the page width is 18 inches (457.2mm)
then VPA is 17 inches (431.8mm)
0.287” (7.29mm)
0.213” (5.41mm)

300/600 dpi resolution

8. Performing routine maintenance

This chapter contains the routine maintenance procedures for the printer. The Operator tasks are listed on the next page with a cross reference to where the procedures for those tasks can be found.

⚠ **WARNING**

Operator tasks identified in this chapter should only be completed if the required training has been given to enable the tasks to be completed without risk or injury.

⚠ **WARNING**

When completing any of the tasks in this chapter, observe all applicable warnings as indicated in the user precautions.

⚠ **WARNING**

When the printer is ready, it is under the control of the attached host system and can start without warning.

Operator tasks

Operator tasks are as follows with the frequencies.

Items	Frequency
As required for normal operation	
Loading and removing the paper (see "Paper Loading" on page 5-3).	As required or with **Error Code** 01-01 or 02-01
Adjusting the print contrast (see "Adjusting print quality" on page 6-1).	At each operation
Consumable replacement	
Replacing the toner (see "Replacing the toner" on page 8-6).	**Error Codes** 04-01 or 04-02
Replacing the developer (see "Replacing the developer" on page 8-12).	**Error Code** 06-01 or 06-02
Replacing the roller unit (see "Replacing the roller unit" on page 8-13).	**Error Code** 03-01 or 03-03
Replacing the cleaner brush and blade (see "Replacing the cleaner brush and blade" on page 8-18).	**Error Code** 0A-03 or 0A-04
Replacing the toner collector (see "Replacing the toner collector" on page 8-24).	**Error Code** 05-01
Replacing the smoke filter (see "Replacing the smoke filter" on page 8-26).	**Error Code** 0B-01
Checks and Cleaning	
Checking the print quality (see "Checking printing" on page 5-14).	Weekly
Cleaning the machine (see "Cleaning the machine" on page 8-27).	Daily

Ordering Supplies

Various supplies are available for the printer.

To obtain supplies, contact your local Xerox office, giving your company name, the product number and its serial number.

Use the spaces below to keep a record of the telephone number and machine serial number.

Supplies Telephone Number:

....

Serial Number:

....

Only use Xerox 495 Continuous Feed Duplex Printer parts.

Checking consumable use

The Consumables view provides details of the use of the printer's consumable items. Refer to the procedure in this Operator Guide to determine whether you are permitted to replace the item. If no procedure exists in this Guide, then it is not operator replaceable. The consumables that can be replaced are:

- Toner
- Developer
- Roller unit
- Kit (cleaner brush and blade)
- Toner collector
- Smoke filter

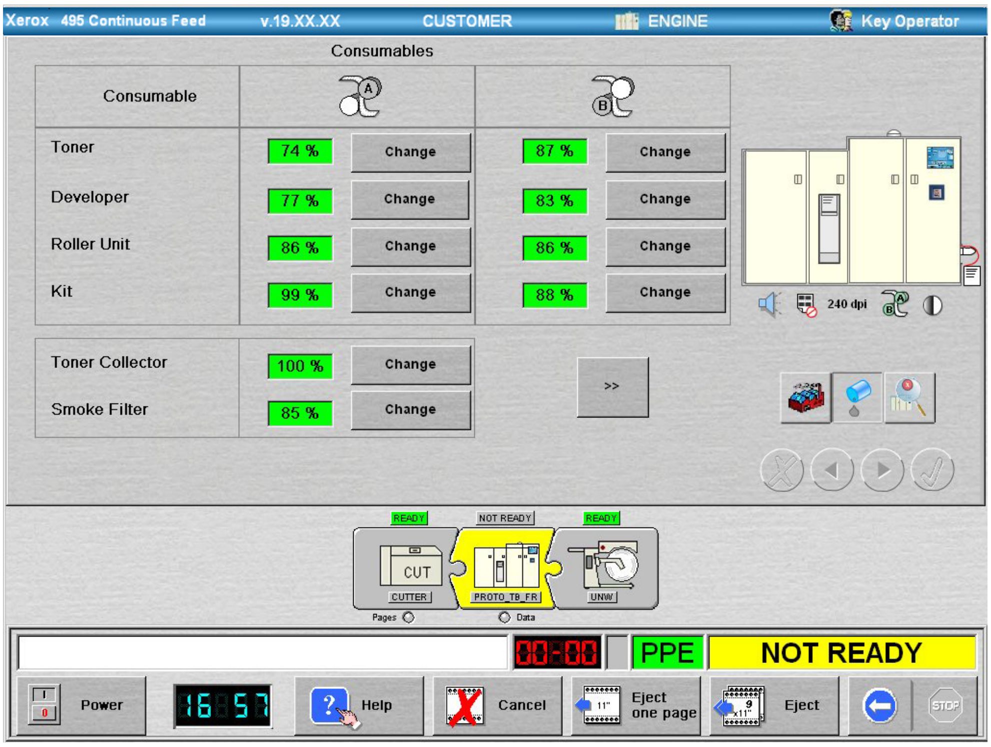
These items and other consumables may be operator replaceable in some markets and need be attended to when the appropriate **Error Code** appears.

The button will flash when a consumable needs replacing.

A number of consumables can only be replaced by the service representative (see "Consumables view" on page 2-18).

To check consumables usage:

1. Press the button to switch to the Consumables view.


Xerox 495 Continuous Feed
v.19.XX.XX
CUSTOMER
ENGINE
Key Operator
240 dpi
>>
READY
NOT READY
READY
CUT
CUTTER
PROTO_TB_FR
UNW
Pages
Data
00:00
PPE
NOT READY
Power
16:57
Help
Cancel
Eject one page
Eject
STOP

Consumables

Consumable	A		B	
Toner	74 %	Change	87 %	Change
Developer	77 %	Change	83 %	Change
Roller Unit	86 %	Change	86 %	Change
Kit	99 %	Change	88 %	Change
Toner Collector	100 %	Change		
Smoke Filter	85 %	Change		

The colour of the value box beside each consumable will change according to its current condition.

- **Green** - means that the consumable is in a start of life condition, or there is sufficient life remaining.

- **Orange** - means that the consumable is nearing its end of life.
- **Red** - means that the life of the consumable has expired. An error message will be displayed and, to continue, you will have to replace the consumable.

  When several consumables need to be changed simultaneously, there is no particular order for their replacement.

2. Press the **Change** button beside the consumable you wish to change to display that particular consumable replacement procedure.
3. For all consumables, **with the exception of the Developer**:
   - You are not required to proceed through the instructions, page-by-page, before confirming the consumable change. It is your choice to read the instructions.

     For example, if you have changed a particular consumable before, you can ignore the instructions and proceed directly with the change. All that the printer is waiting for is a final confirmation as to whether or not you have changed the consumable.
   - Confirm the change by pressing ✓. This will return you to the Consumables view where the value box will be reset.
   - Cancel the change by pressing ✗. This will return you to the Consumables view where the value box will not be reset.
   - To move forwards and backwards, page-to-page through the consumable change procedures, click the active “Next page” or “Previous page” links.

   To change the Developer:

   - You are required to proceed through the instructions, page-by-page, before confirming the Developer change. Once you begin the procedure, you will not be allowed to abort.
   - There are 8 individual steps in the Developer replacement procedure all of which have to be carried out in order. This means that there are also 8 states for which the printer needs a confirmation before proceeding from step to step. If you miss a step but still confirm it, there may be an additional four steps that need to be completed to ensure that the procedure is complete.
   - On pressing the button to confirm a step, you will move directly on to the next step in the procedure. At the end, you will return to the Consumables view where the value box will be reset.
   - On pressing the button to cancel a step, you will return to the last step of the procedure that wasn’t completed. Powering ON/OFF the machine will not break this procedure. On powering ON, you will still return to the last step of the procedure that wasn’t completed.

Replacing the toner

An error **Code 04-01** or **04-02** is displayed and the patrol lamp flashes green and yellow when a toner reservoir is low. The code is displayed for both front and back toner reservoirs

Note: *Do not add toner if the printer does not require it.*

CAUTION

Keep toner away from your eyes or mouth. If the toner gets on your skin during replacement, immediately wash it off. Prolonged inhalation of excessive amounts of toner particles may cause lung damage. If this occurs, consult a doctor immediately.

CAUTION

If you should get toner on your clothes, brush it off and wash the item in cold water. DO NOT use hot water or dry cleaning as this may make the mark permanent.

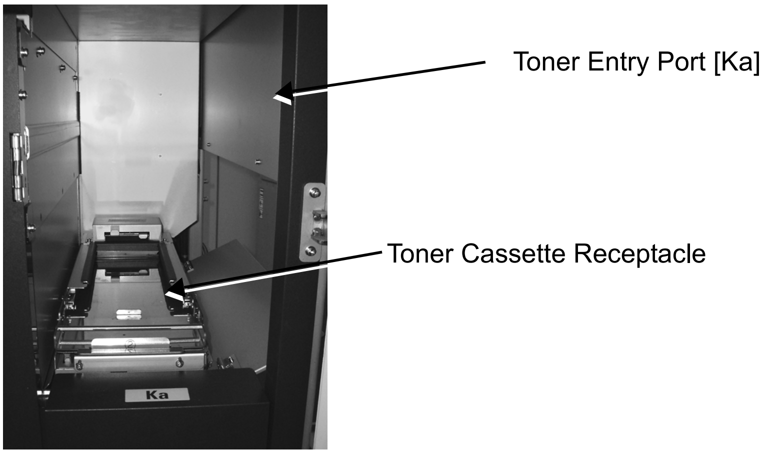
Note: *Never re-use waste toner. Particles of paper are mixed in with it and this could cause printing problems and result in premature wear.*

Replacing Toner [Ka]

To replace the toner for the front marking unit, proceed as follows:

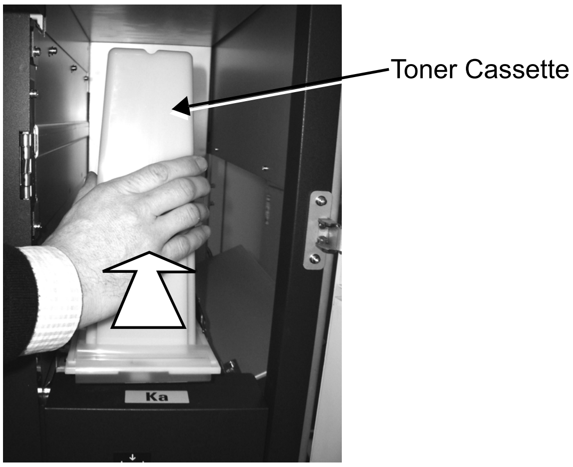
1. Press the button to switch to the consumables view which shows the usage of all consumables and press the **Change** button beside **Toner [Ka]** in the **Front** box.

   The consumables replacement screen for Toner [Ka] will be displayed.
2. Open the right and left printer doors.
3. Check that the Toner [Ka] LED is flashing.

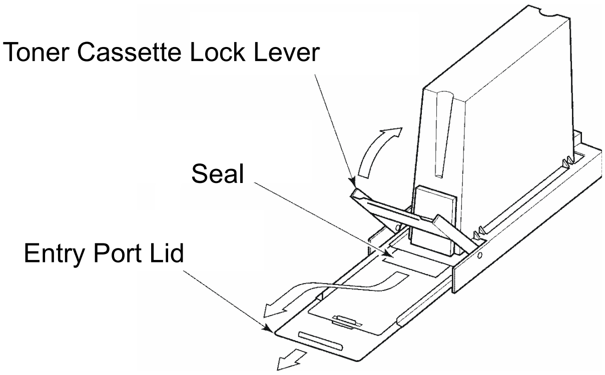


4. Slide the toner cassette into the groove of the toner cassette

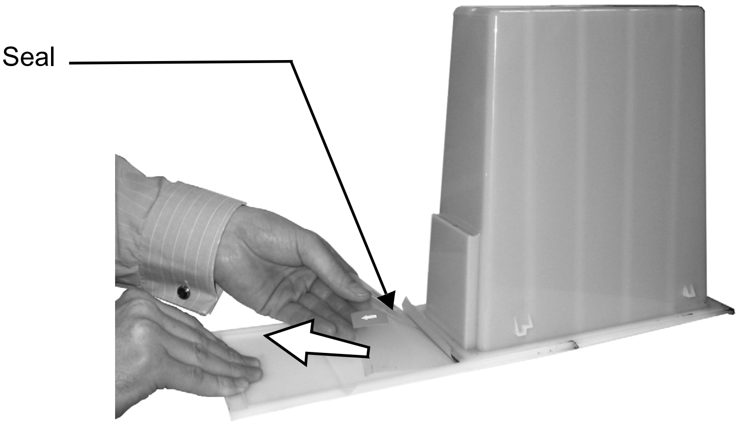
receptacle and push it in fully.


Toner Cassette
Ka

5. Lift the toner cassette lock lever to secure the toner cassette.

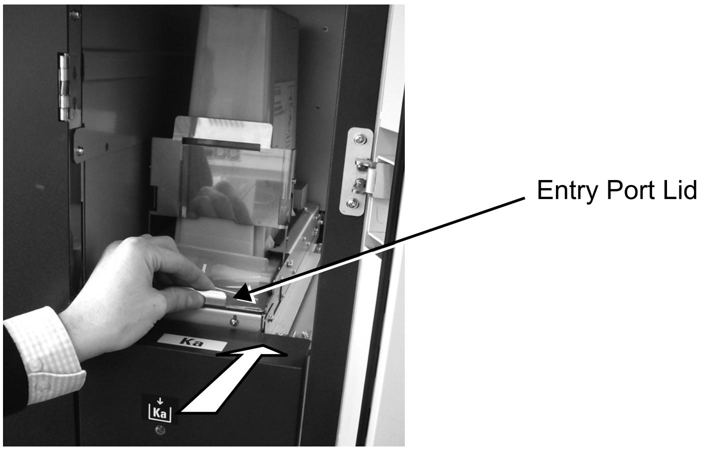

Toner Cassette Lock Lever
Seal
Entry Port Lid

6. Pull out the entry port lid.
7. Slowly pull forward the seal at the lower part of the toner cassette to remove it from the cassette.

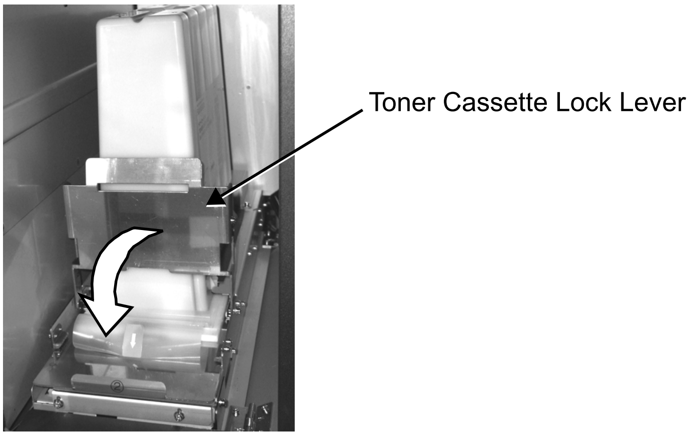


8. Check that the toner has totally dropped and that the seal did not break.

9. Push in the entry port lid fully.



10. Lower the toner cassette lock lever.



11. Remove the empty toner cassette by sliding it back out of the toner cassette holder.

Note: *Keep the empty toner cassette and use it at a later stage as a toner collector.*

12. Close the left and right printer doors.

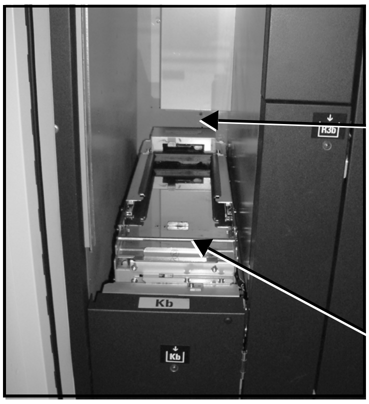
13. Press the ✓ button on right of the touch screen to confirm the change and to return to the consumables view.

Replacing Toner [Kb]

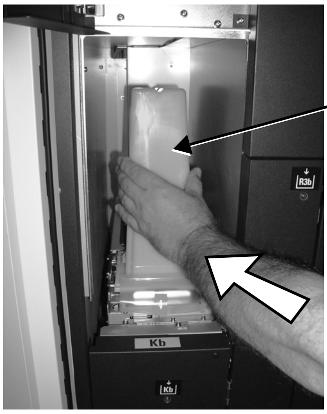
To replace the toner for the back marking unit, proceed as follows:

1. Press the button to switch to the consumables view which shows the usage of all consumables and press the **Change** button beside **Toner [Kb]** in the **Back** box.

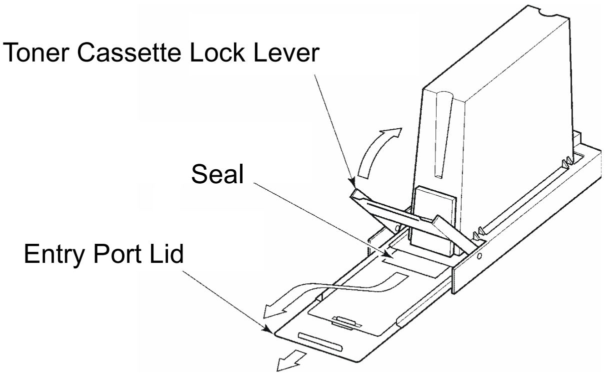
   The consumables replacement screen for Toner [Kb] will be displayed.
2. Open the right and left printer doors.
3. Check that the Toner [Kb] LED is flashing.


Toner Entry Port [Kb]
Toner Cassette Receptacle
R3b
Kb

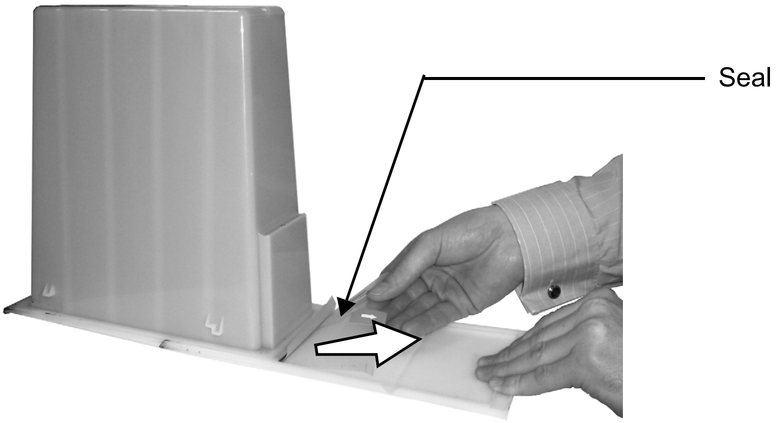
4. Slide the toner cassette into the groove of the toner cassette receptacle and push it in fully.


Toner Cassette
R3b
Kb

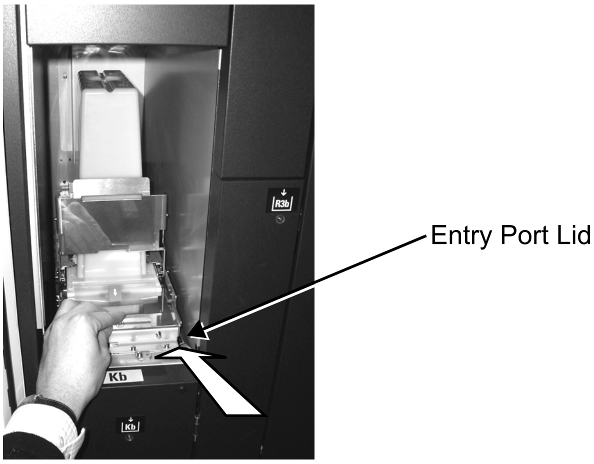
5. Lift the toner cassette lock lever to secure the toner cassette.


Toner Cassette Lock Lever
Seal
Entry Port Lid

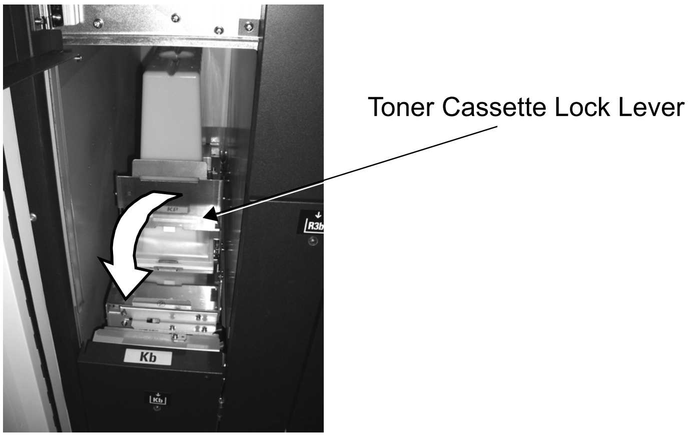
6. Pull out the entry port lid.
7. Slowly pull forward the seal at the lower part of the toner cassette to remove it from the cassette.



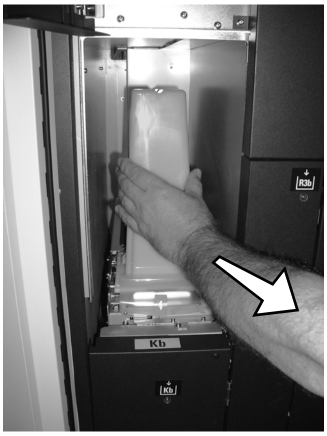
8. Check that the toner has totally dropped and that the seal did not break.
9. Push in the entry port lid fully.


Entry Port Lid
R3b
Kb
Kb

10. Lower the toner cassette lock lever.



11. Remove the empty toner cassette by sliding it back out of the toner cassette holder.



Note: *Keep the empty toner cassette and use it at a later stage as a toner collector.*

12. Close the right front door of the printer.

13. Press the ✓ button on the right of the touch screen to confirm the change and to return to the consumables view.

Replacing the developer

There is a counter linked to developer life. An **Error Code 06-01** or **06-02** is automatically displayed when the counter reaches its theoretical replacement value.

As a rule, you should only change the developer when the **Error Code** is displayed. However, if a particular application requires better print quality, you can change the developer before its normal end of life by following the same procedure.

Note: *Only use new developer. Re-using a developer that has already been used can causes poor print quality and problems with the print process settings.*

CAUTION

Keep developer away from your eyes or mouth. If the developer gets on your skin during replacement, immediately wash it off. Make sure that the developer does not get in your eyes or mouth. If this occurs, consult a doctor immediately.

Important Note: *Replacing developer requires you to perform the procedures in the correct order and to confirm that key steps have been carried out. The instructions are provided at the touch screen where confirmation is made.*

To replace the developer, proceed as follows:

1. Press the button to switch to the consumables view which shows the usage of all consumables.
2. Press the **Change** button beside **Developer** in the appropriate box, Front or Back.

   The developer replacement screen for the selected developer change (front or back) will be displayed.
3. Follow the instructions on the touch screen.

Replacing the roller unit

There is a counter linked to the life of both roller A and roller B. An **Error Code 03-01** or **03-03** is automatically displayed when either roller reaches its theoretical replacement value.

Do not damage the guide roller surface of the roller unit. The roller unit is a guide roller with a cleaner. The guide roller surface has a special coating. Damaging the surface may result in dirty printing. Handle the roller unit with great care.

CAUTION

Keep toner away from your eyes or mouth. If the toner gets on your skin during replacement, immediately wash it off. Prolonged inhalation of excessive amounts of toner particles may cause lung damage. If this occurs, consult a doctor immediately.

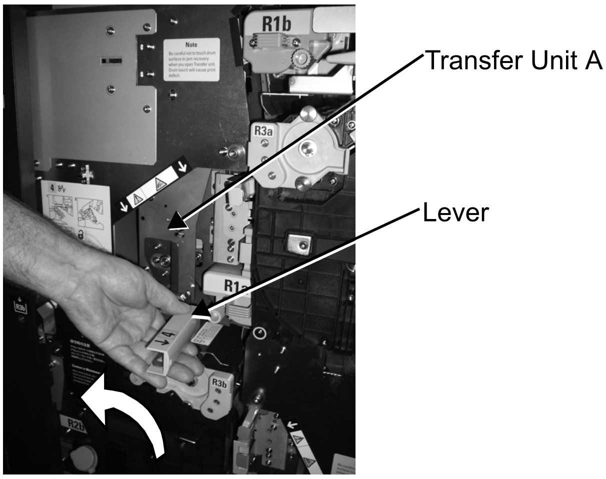
Note: *If you should get toner on your clothes, brush it off and wash the item in cold water. DO NOT use hot water or dry cleaning as this may make the mark permanent.*

Replacing Roller unit A[R1a]

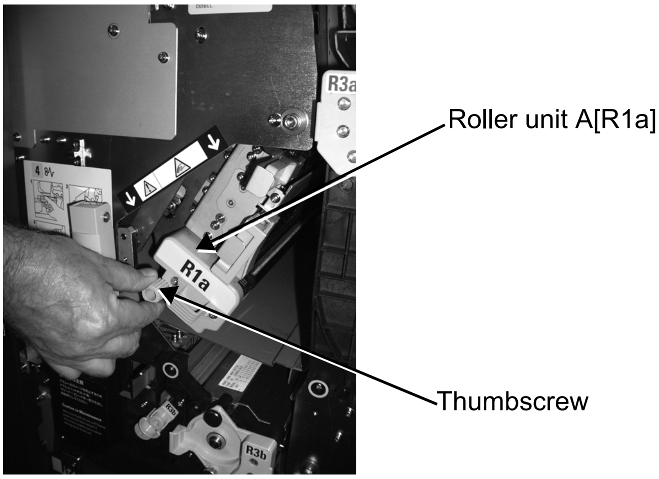
To replace Roller unit A[R1a], proceed as follows:

1. Press the button to switch to the consumables view which shows the usage of all consumables and press the **Change** button beside Roller unit A[R1a] in the **Front** box.

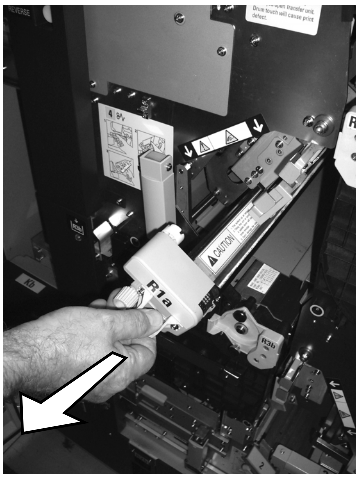
   The consumables replacement screen for Roller unit A[R1a] will be displayed.
2. Open the right and left printer doors and the internal door.
3. Pull out the lever of transfer unit A and lift it counter-clockwise to open the transfer unit fully.

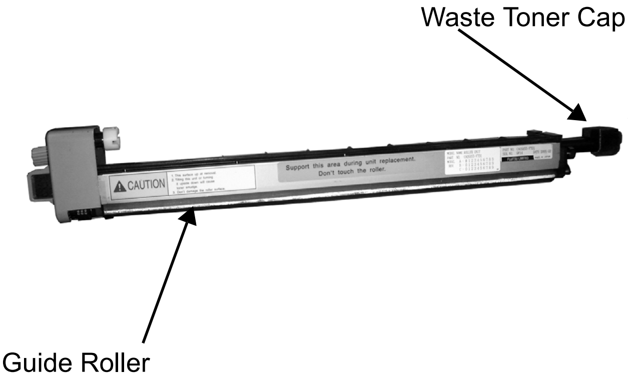


4. Loosen the thumbscrew on the left of Roller unit A[R1a].


Roller unit A[R1a]
Thumbscrew
R3a
R1a
R3b

5. Grasp the handle of Roller unit A[R1a] and pull the unit out fully.

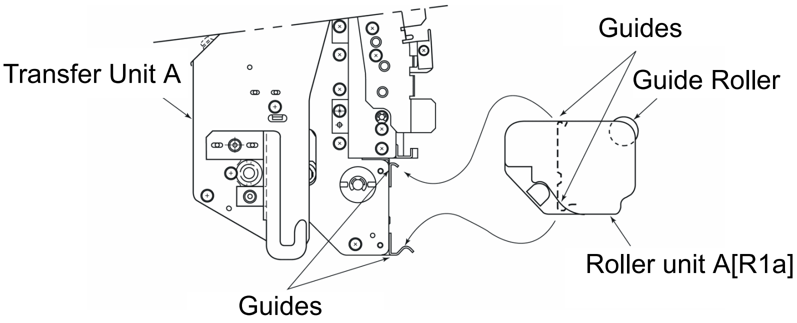

R1a
R3b
CAUTION

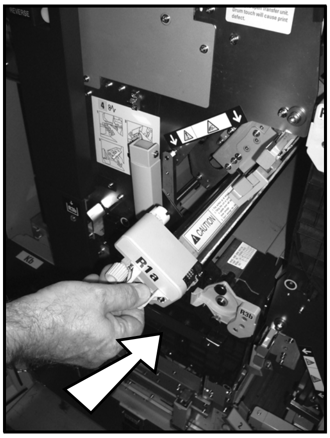

Waste Toner Cap
Guide Roller
CAUTION
Support this area during unit replacement. Don't touch the roller.

CAUTION

Do not touch the waste toner cap of the roller unit, as it may open and cause the toner to scatter.

6. Line up the guides of the new roller unit with those of the transfer unit and insert the roller unit fully.

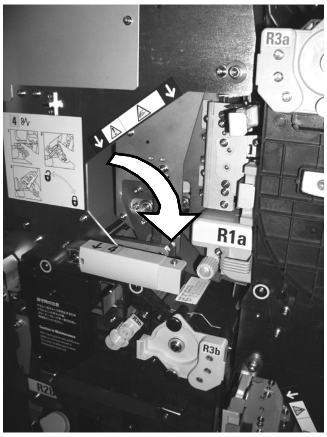

Transfer Unit A
Guides
Guide Roller
Roller unit A[R1a]
Guides



CAUTION

Do not damage the guide roller of the new roller unit.

7. Tighten the thumbscrew to secure the unit.
8. Turn the lever of transfer unit A in a clockwise direction to close the transfer unit, and then push the handle in.



9. Close the internal door and the right and left printer doors.
10. Press the ✓ button on the right of the touch screen to confirm the change and to return to the consumables view.

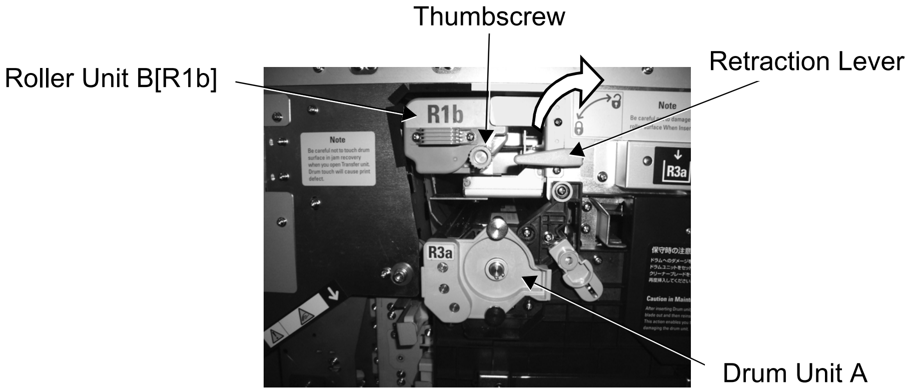
Replacing Roller unit B[R1b]

To replace roller unit B[R1b], proceed as follows:

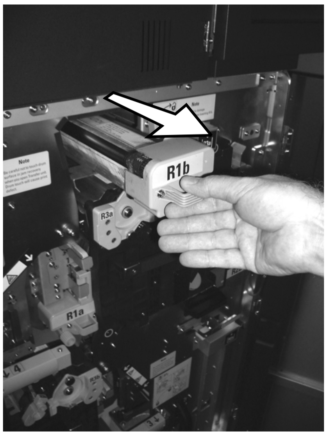
1. Press the button to switch to the consumables view which shows the usage of all consumables and press the **Change** button beside **Roller Unit B[R1b]** in the **Back** box.

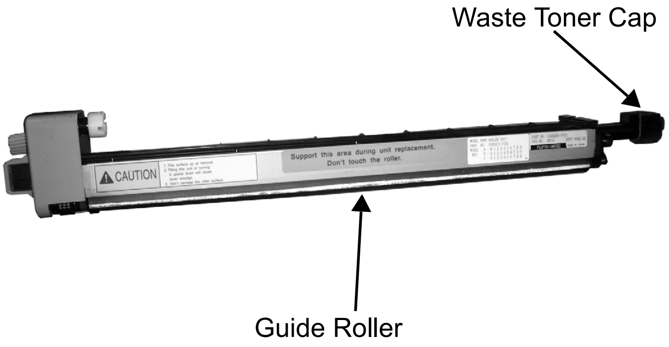
   The consumables replacement screen for roller unit B[R1b] will be displayed.
2. Open the right and left printer doors and the internal door.
3. Turn the green retraction lever of roller unit B[R1b] in a 90 degrees

clockwise direction, to open the Roller Unit B[R1b] fully.


Thumbscrew
Roller Unit B[R1b]
Retraction Lever
Drum Unit A

4. Loosen the green thumbscrew on the right of roller unit B[R1b].
5. Grasp the handle of roller unit B[R1b] and pull the unit out fully.

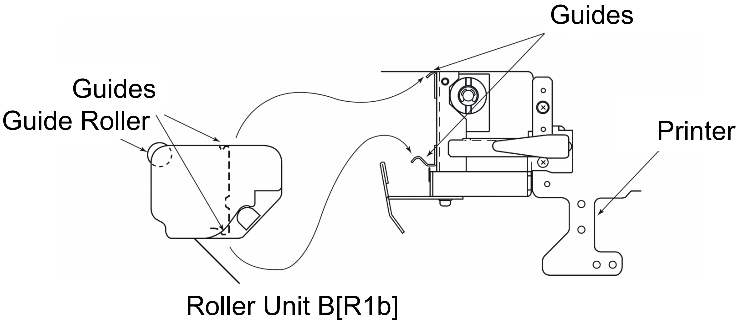


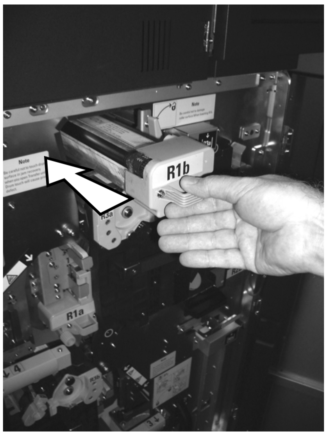

Waste Toner Cap
Guide Roller

CAUTION

Do not touch the waste toner cap of the roller unit, as it may open and cause the toner to scatter.

6. Insert the roller unit fully.

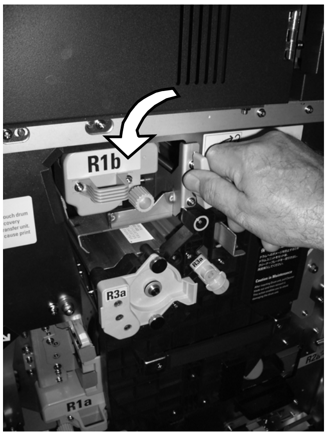

Guides
Guides
Guide Roller
Printer
Roller Unit B[R1b]



CAUTION

Do not to damage the guide roller of the new roller unit.

7. Tighten the thumbscrew to secure the unit.



8. Turn the retraction lever of roller unit B[R1b] in a 90 degrees counter-clockwise direction, to return the unit to the set position.
9. Close the internal door and the right and left printer doors.
10. Press the ✓ button on right of the touch screen to confirm the change and to return to the consumables view.

Replacing the cleaner brush and blade

There is a counter linked to the cleaning brush and blade life. An **Error Code 0A-03** or **0A-04** is automatically displayed when the counter reaches its theoretical replacement value.

CAUTION

Keep toner away from your eyes or mouth. If the toner gets on your skin during replacement, immediately wash it off. Prolonged inhalation of excessive amounts of toner particles may cause lung damage. If this occurs, consult a doctor immediately.

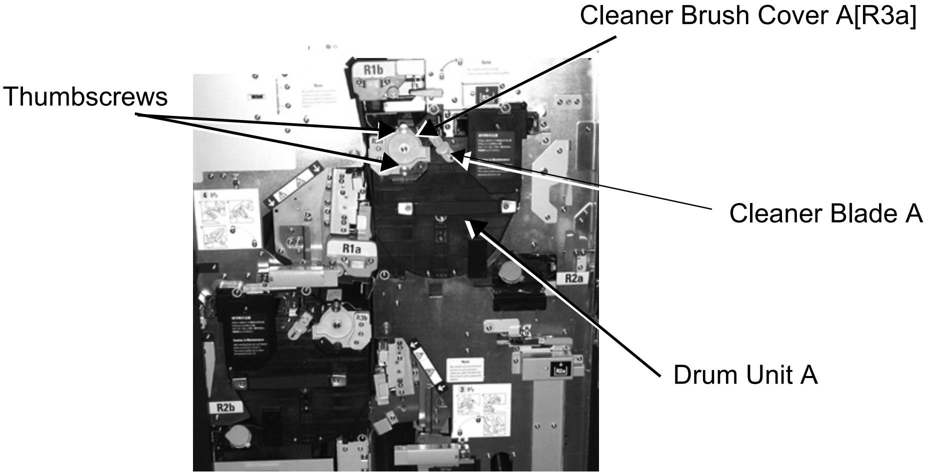
Note: *If you should get toner on your clothes, brush it off and wash the item in cold water. DO NOT use hot water or dry cleaning as this may make the mark permanent.*

Replacing kit A[R3a]

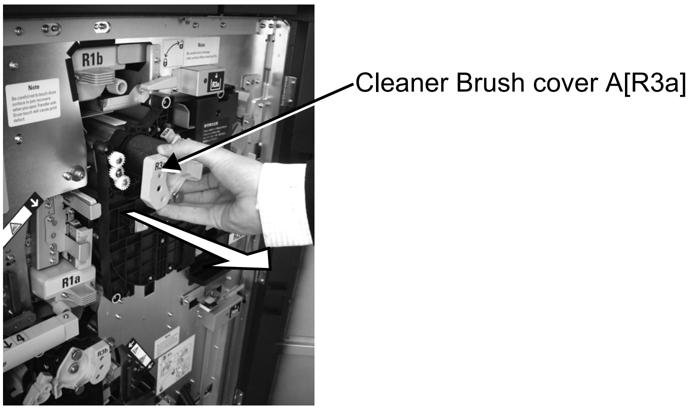
To replace cleaner brush and blade kit A[R3a], proceed as follows:

1. Press the button to switch to the consumables view which shows the usage of all consumables and press the **Change** button beside **Kit A[R3a]** in the **Front** box.

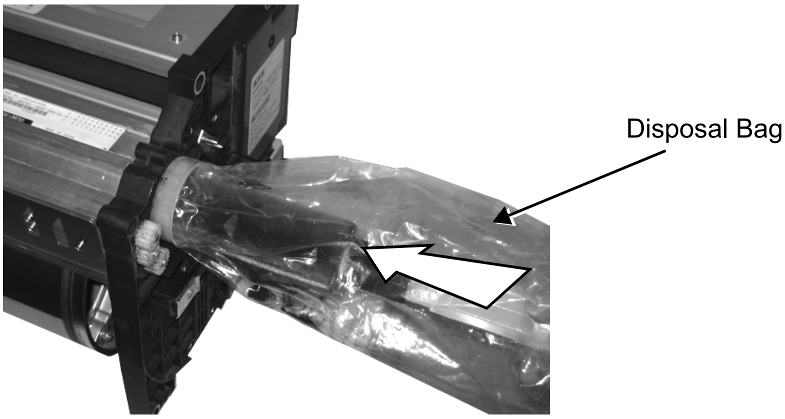
   The consumables replacement screen for Kit A[R3a] will be displayed.
2. Open the right and left printer doors.
3. Check that the Kit A[R3a] LED is flashing.
4. Open the internal door.
5. Loosen the two thumbscrews at cleaner brush cover A[R3a].



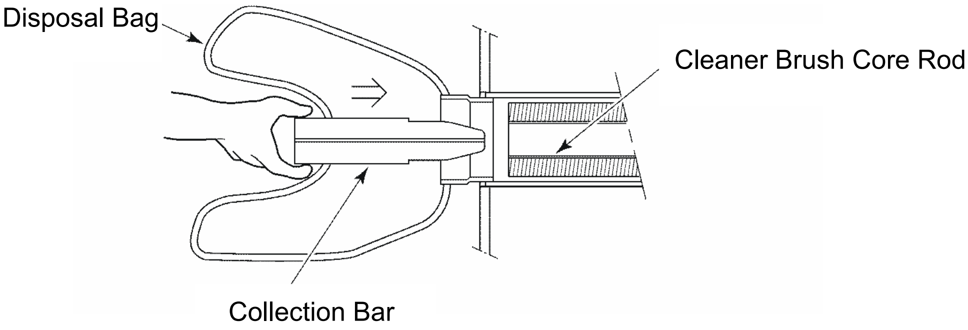
6. Remove the cover and store it temporarily in a safe place.


Cleaner Brush cover A[R3a]
R1b
R1a
Note

7. Place the disposal bag (attached to kit A[R3a]) at the entry of the cleaner brush slot.

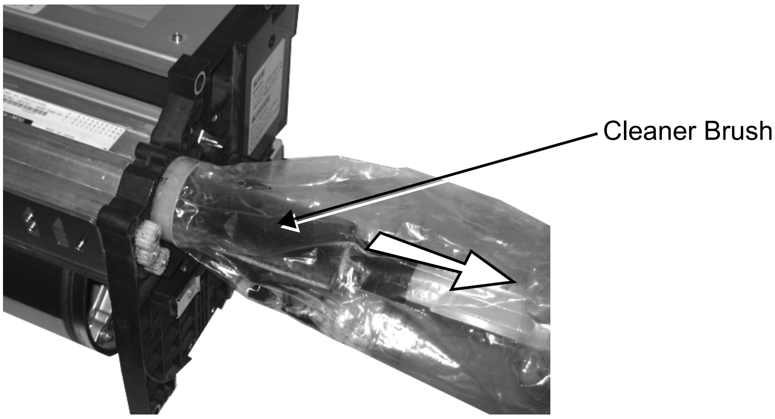

Disposal Bag

8. Hold the collection bar bonded inside the bag and push it into the cleaner brush core rod.

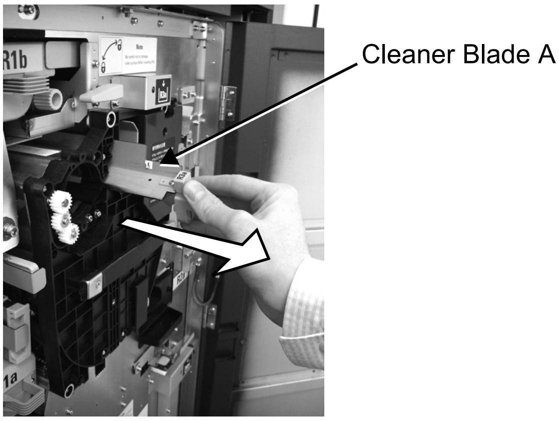

Disposal Bag
Cleaner Brush Core Rod
Collection Bar

9. Extract the collection bar gradually, along with the cleaner brush, to

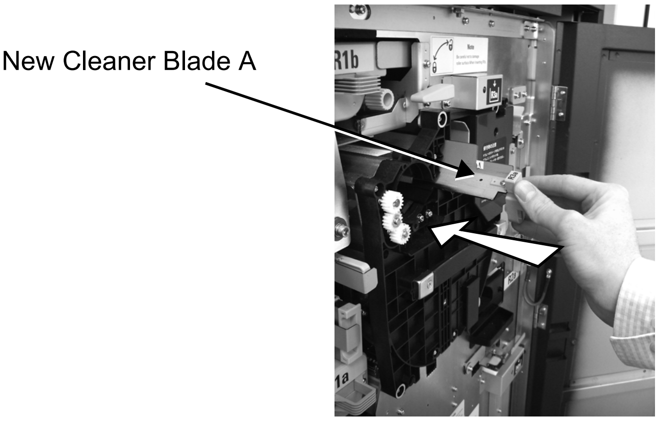
gather the toner into the disposal bag.



10. Remove the mouth of the disposal bag from the brush slot.
11. Hold the handle of the new cleaner brush and insert the brush fully into the brush slot.
12. Hold the knob of cleaner blade A and pull it towards you.



13. Insert the new cleaner blade A, making sure that is positioned correctly in the guides.



CAUTION

Do not wipe the white powder from the cleaner blade.

14. Attach cleaner brush cover A[R3a] and tighten the thumbscrews to secure.

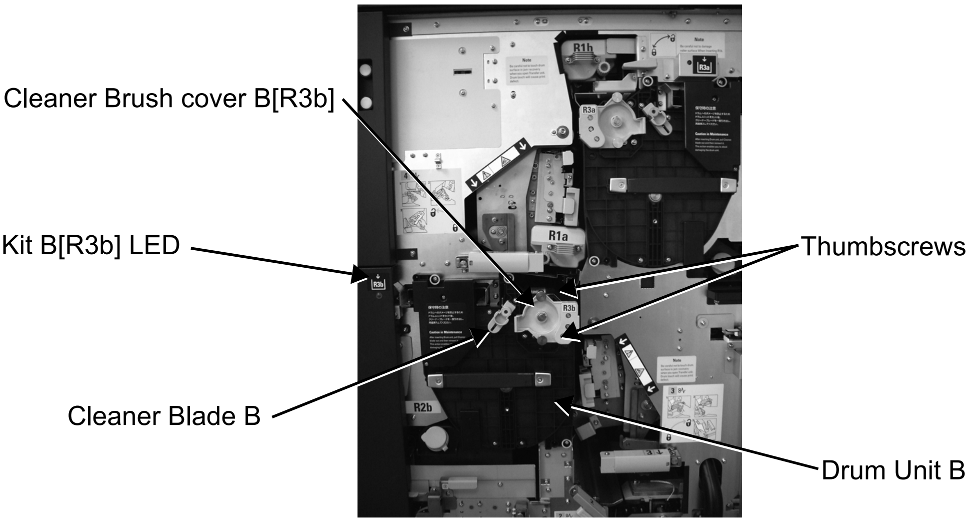
15. Close the internal door, then the left and right printer doors.
16. Press the ✓ button on the right of the touch screen to confirm the change and to return to the consumables view.

Replacing kit B[R3b]

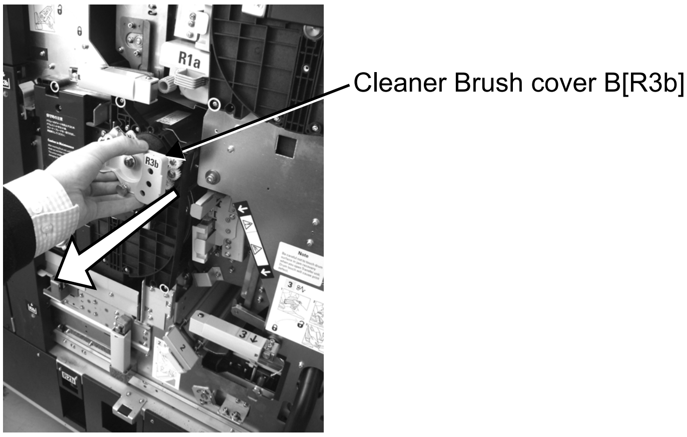
To replace cleaner brush and blade kit B[R3b], proceed as follows:

1. Press the button to switch to the consumables view which shows the usage of all consumables and press the **Change** button beside **Kit B[R3b]** in the **Back** box.

   The consumables replacement screen for Kit B[R3b] will be displayed.
2. Open the right and left printer doors.
3. Check that the Kit B[R3b] LED is flashing.
4. Open the internal door.
5. Loosen the two thumbscrews at cleaner brush cover B[R3b].

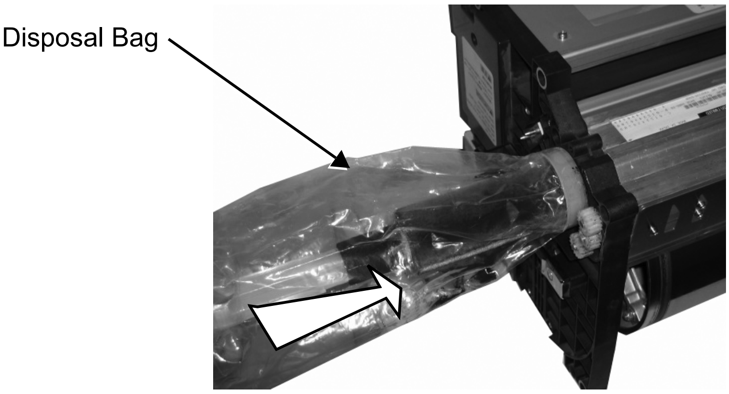

Cleaner Brush cover B[R3b]
Kit B[R3b] LED
Thumbscrews
Cleaner Blade B
Drum Unit B

6. Remove the cover and store it temporarily in a safe place.

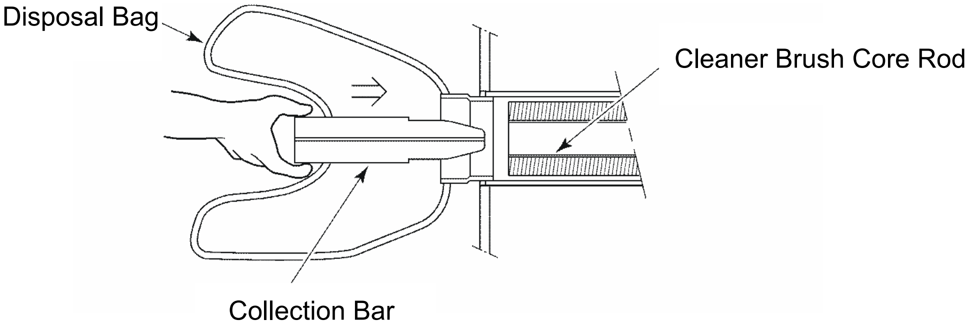

Cleaner Brush cover B[R3b]

7. Place the disposal bag (attached to kit B[R3b]) at the entry of the

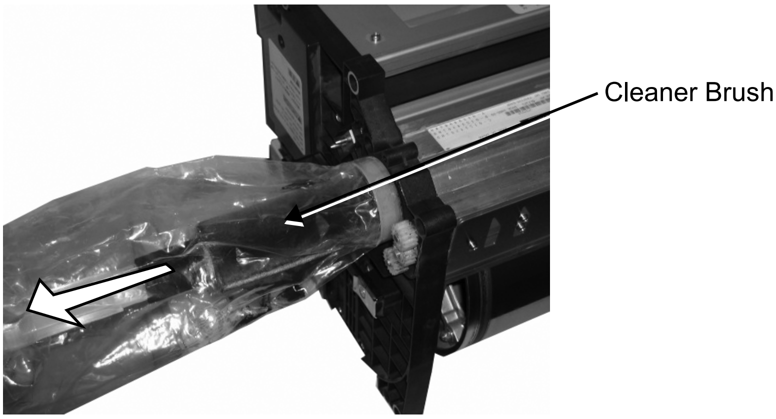
cleaner brush slot.


Disposal Bag

8. Hold the collection bar bonded inside the bag and push it into the cleaner brush core rod.

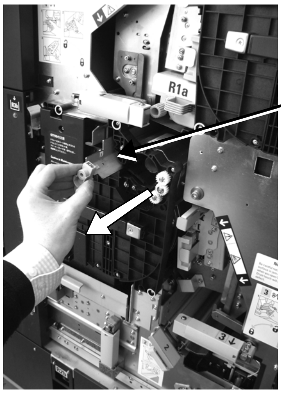

Disposal Bag
Cleaner Brush Core Rod
Collection Bar

9. Extract the collection bar gradually, along with the cleaner brush, to gather the toner into the disposal bag.

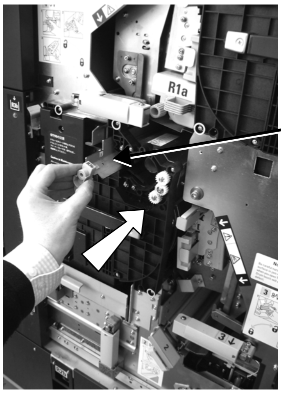

Cleaner Brush

10. Remove the mouth of the disposal bag from the brush slot.
11. Hold the handle of the new cleaner brush and insert the brush fully into the brush slot.

12. Hold the knob of cleaner blade B and pull it towards you.



13. Insert the new cleaner blade B, keeping it making sure that is positioned correctly in the guides.



CAUTION

Do not wipe the white powder from the cleaner blade.

14. Attach cleaner brush cover B[R3b] and tighten the thumbscrews to secure.
15. Close the internal door, then the left and right printer doors.
16. Press the ✓ button on the right of the touch screen to confirm the change and to return to the consumables view.

Replacing the toner collector

The toner collector must be replaced when **Error Code 05-01** is displayed.

CAUTION

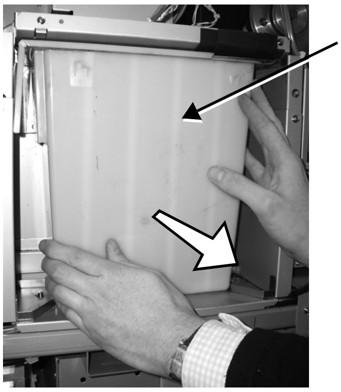
Keep toner away from your eyes or mouth. If the toner gets on your skin during replacement, immediately wash it off. Prolonged inhalation of excessive amounts of toner particles may cause lung damage. If this occurs, consult a doctor immediately.

Note: *If you should get toner on your clothes, brush it off and wash the item in cold water. DO NOT use hot water or dry cleaning as this may make the mark permanent.*

To replace the toner collector, proceed as follows:

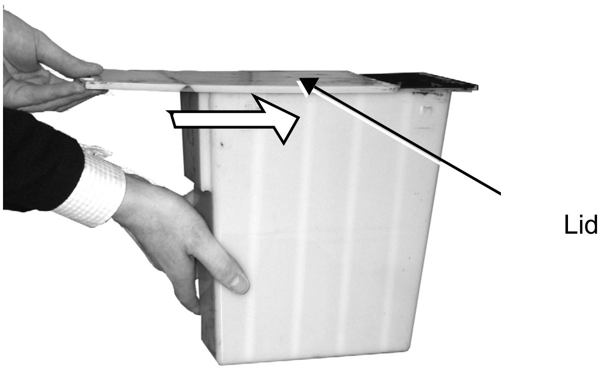
1. Press the button to switch to the consumables view which shows the usage of all consumables and press the **Change** button beside **Toner Collector**.

   The consumables replacement screen for the toner collector will be displayed.
2. Open the waste toner collector door at the rear of the printer.

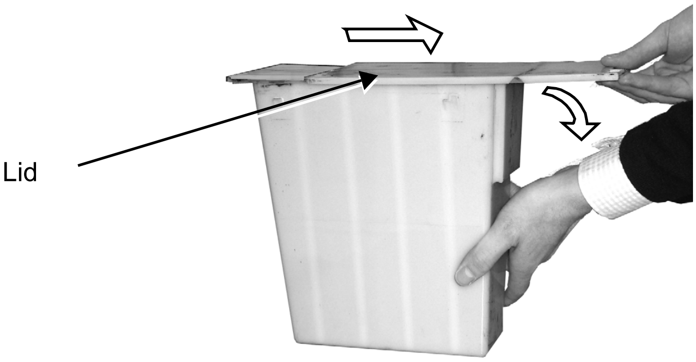


3. Hold both sides of the toner collector and pull the collector towards you.

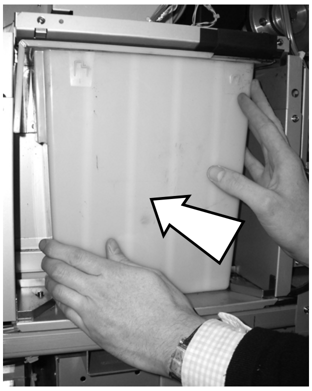
4. Slide the lid of the toner collector to close.



5. Discard the toner collector using the attached vinyl bag.
6. Slide the lid of the new toner collector to open.



7. Bend the ledge of the lid at the notch.
8. Attach the new toner collector by sliding it slowly into place.



Note: *Whenever you replenish the toner, keep the empty toner cassette to use as a toner collector.*

9. Close the waste toner collector door.
10. Press the ✓ button on the right of the touch screen to confirm the change and to return to the consumables view.

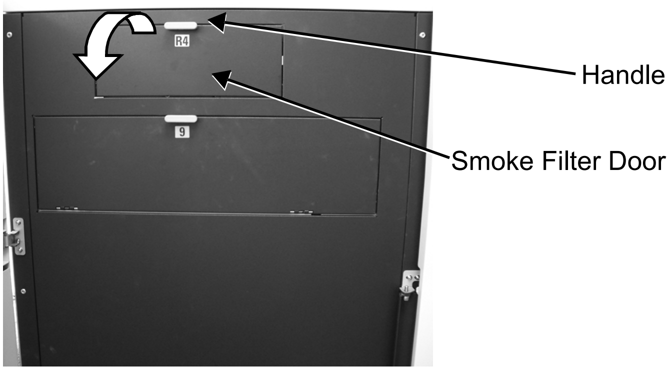
Replacing the smoke filter

The smoke filter must be replaced when **Error Code 0B-01** is displayed.

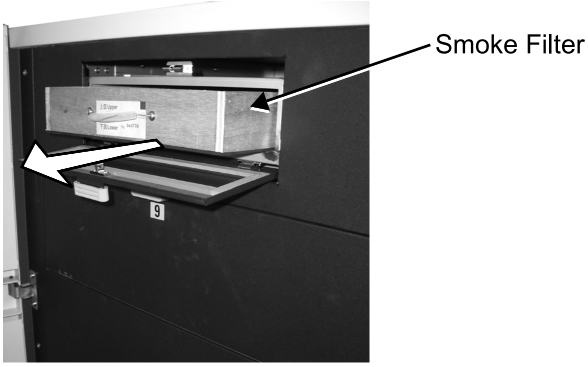
To replace the smoke filter, proceed as follows:

1. Press the 💧 button to switch to the consumables view which shows the usage of all consumables and press the **Change** button beside **Smoke Filter**.

   The consumables replacement screen for the smoke filter will be displayed.
2. Open the left stacker door.
3. Open the smoke filter door.



4. Hold the handle of the smoke filter and pull forward to extract it.



5. Insert a new smoke filter with the face up.
6. Close the smoke filter door and the left stacker door.
7. Press the ✓ button on the right of the touch screen to confirm the change and to return to the consumables view.

Cleaning the machine

Three areas of the machine should be cleaned on a regular basis. These are:

- The fuser glass (front and back).
- The Toner supply and collector areas.
- The touch screen.

The fuser glass (front and back)

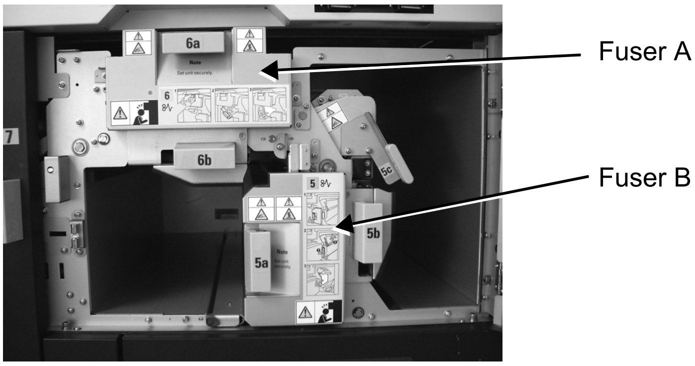
The fuser glass should be cleaned periodically because poor fusing or dirty background may occur if the glass is dirty. In addition toner particles may adhere to the glass during printing. Check the fuser glass before work and clean it if necessary. If a paper jam occurs, clean the glass each time.

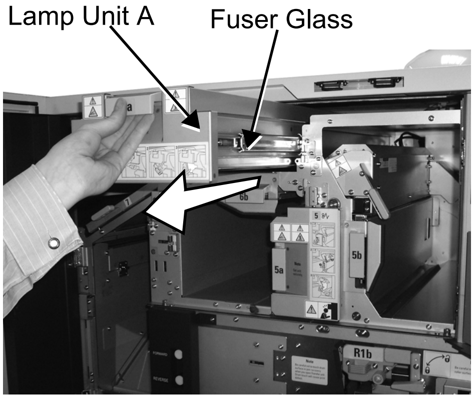
Handling notes:

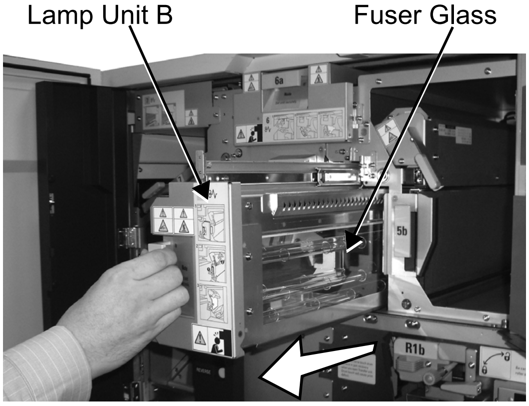
- *Be careful not to break the glass.*
- *The lamp goes out at power-off. Start cleaning after the lamp has completely cooled down.*

To clean the fuser glass:

1. Open the right and left printer doors.
2. Open the Fuser Door.
3. Extract the fuser A or B lamp unit.







4. Remove each lamp unit by pulling it towards you.
5. Check that the fuser glass and paper transport path are not dirty. If

necessary, remove toner from the glass with the resin scraper provided. If the glass is too dirty to clean, call for service.

6. Push the lamp unit in completely.
7. Close the Fuser Door, then the right and left printer doors.

The Toner supply and collector areas

If the toner has scattered during toner replenishment or collection, wipe the toner off with a non-woven cloth or use a vacuum cleaner.

CAUTION

Keep toner away from your eyes or mouth. If the toner gets on your skin during replacement, immediately wash it off. Prolonged inhalation of excessive amounts of toner particles may cause lung damage. If this occurs, consult a doctor immediately.

CAUTION

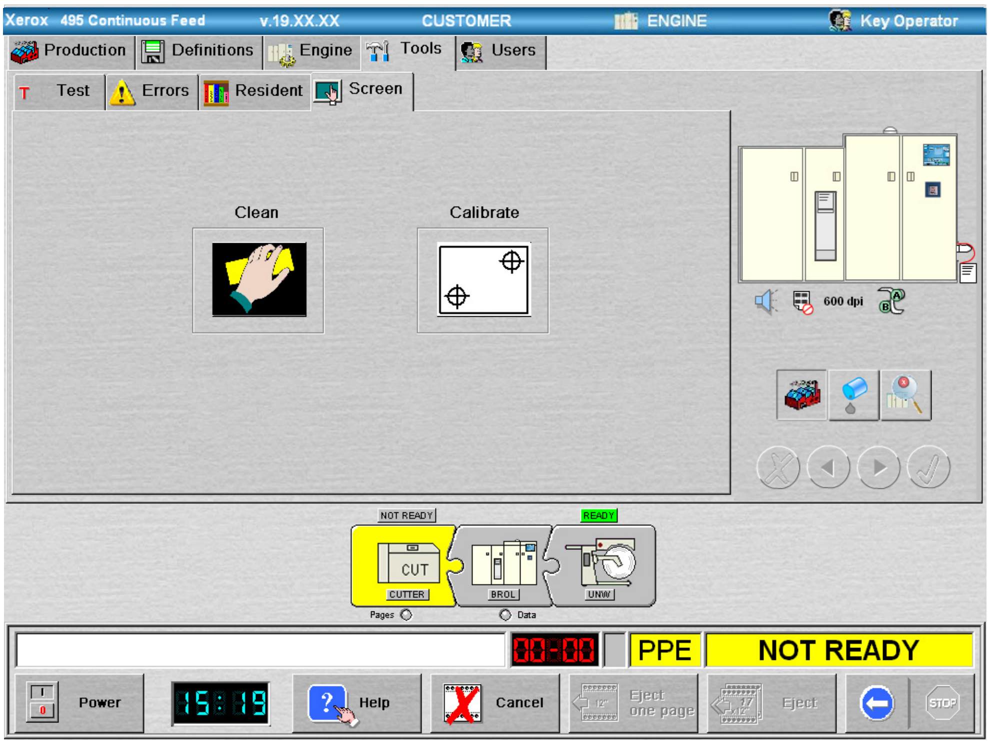
If you should get toner on your clothes, brush it off and wash the item in cold water. DO NOT use hot water or dry cleaning as this may make the mark permanent.

Cleaning the touch screen

From time to time you may want to clean the touch screen. In order to do this the screen needs to be deactivated to prevent unwanted selections. The screen will remain deactivated for 10 seconds after the last contact you make with it.

To clean the touch screen:

1. Press the **Tools** tab, then the **Screen** tab.


Xerox 495 Continuous Feed
v.19.XX.XX
CUSTOMER
ENGINE
Key Operator
Production
Definitions
Engine
Tools
Users
Test
Errors
Resident
Screen
Clean
Calibrate
600 dpi
NOT READY
READY
CUT
CUTTER
BROL
UNW
Pages
Data
00:00
PPE
NOT READY
Power
15:19
Help
Cancel
Eject one page
Eject
STOP

2. Press the **Clean** button.

   The screen goes blank and is deactivated. It will be reactivated if left untouched for 10 seconds.

3. Clean the screen using a lint-free cloth and a non water-based screen cleaner.

   Note: *You should only use a screen cleaning product that is non-water-based as water-based products may cause problems to the touch features of the screen.*

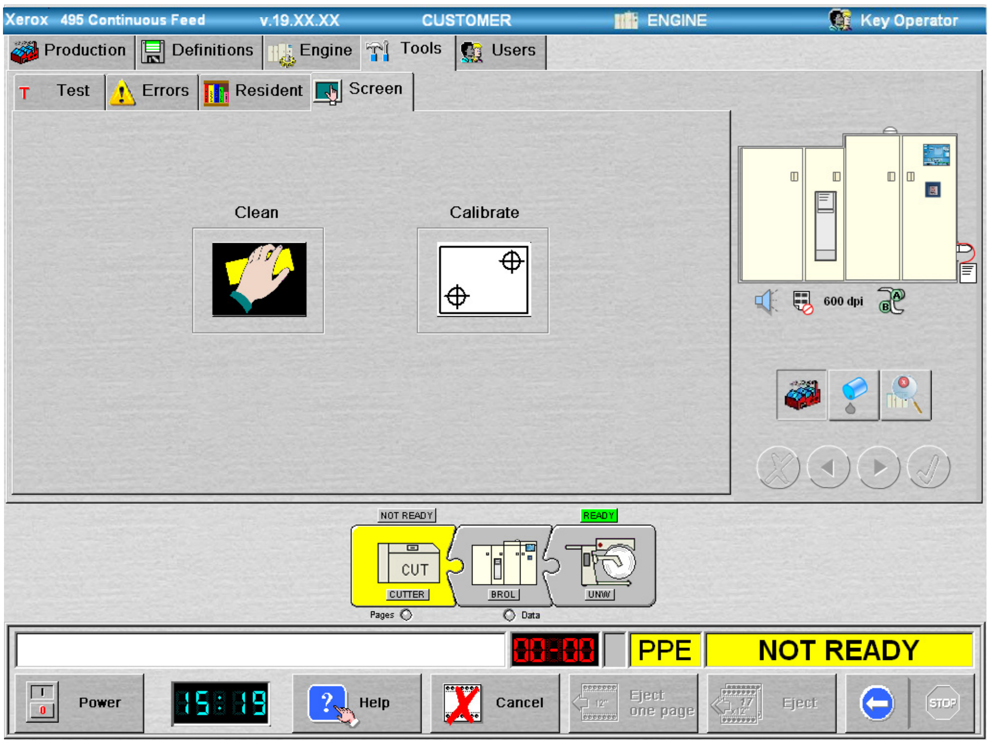
4. Once the screen has been cleaned, do not touch it until the user interface is displayed (about 10 seconds).

Calibrating the touch screen

Screen calibration is provided to align the screen cursor with the position that you press. This needs to be carried out whenever the cursor does not line up with your finger when you touch the screen.

To calibrate the touch screen:

1. Press the **Tools** tab, then the **Screen** tab.


Xerox 495 Continuous Feed
v.19.XX.XX
CUSTOMER
ENGINE
Key Operator
Production
Definitions
Engine
Tools
Users
Test
Errors
Resident
Screen
Clean
Calibrate
600 dpi
NOT READY
READY
CUT
CUTTER
BROL
UNW
Pages
Data
00-00
PPE
NOT READY
Power
15:19
Help
Cancel
Eject one page
Eject
STOP

2. Press the **Calibrate** button.

   The screen is cleared and a target is displayed in the upper left, lower right, and upper right of the screen, in this order.

3. Follow the instructions on the screen.

   The user interface will automatically redisplay after 30 seconds if you do not touch it.

9. Problem solving

This chapter provides useful information when trying to resolve problems. The contents are:

- Clearing paper jams
- Checking software revisions
- Using the system tools
- Status codes
- Error codes

⚠ **WARNING**

Operator tasks identified in this chapter should only be completed if the required training has been given to enable the tasks to be completed without risk or injury.

⚠ **WARNING**

When completing any of the tasks in this chapter, observe all applicable warnings as indicated in the user precautions.

⚠ **WARNING**

When the printer is ready, it is under the control of the attached host system and can start without warning.

Clearing errors

When an error occurs, the message and code will be displayed and the 🔍 button will flash.

To access help in order to clear the error:

1. Press the 🔍 button to display the **Run** view.

   All error codes and their labels are shown in the **Error Log** window, as they occur.

2. Press on the error label, you will immediately access its associated Help.

   Alternatively, you can press the message on the status bar to access the help.

3. Press the **RESET** button to clear all errors that have been remedied.

Clearing paper jams

CAUTION

Remove paper jammed during autoload or printing completely so as not to leave any piece of paper left on the transport path. If printing is resumed with paper left in the transport path, the paper may be scorched, emit smoke at the fuser or cause poor fusing.

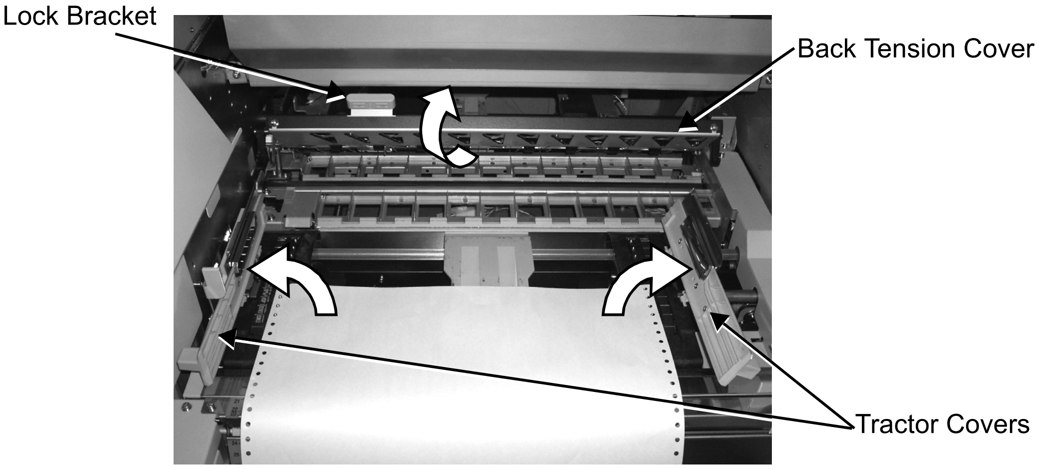
When removing jammed paper, do not pass a non-fused sheet through the fuser. If a non-fused sheet is put through the fuser by mistake, clean the fuser glass.

Locating the paper jam

In case of a paper jam, check the paper status at each transport section and remove the obstruction and the jammed paper.

If the paper is torn or a piece of paper is left, remove the pieces. *DO NOT* leave any piece of paper in the transfer charger as this may cause print quality problems.

1. Open the front and rear tractor covers.

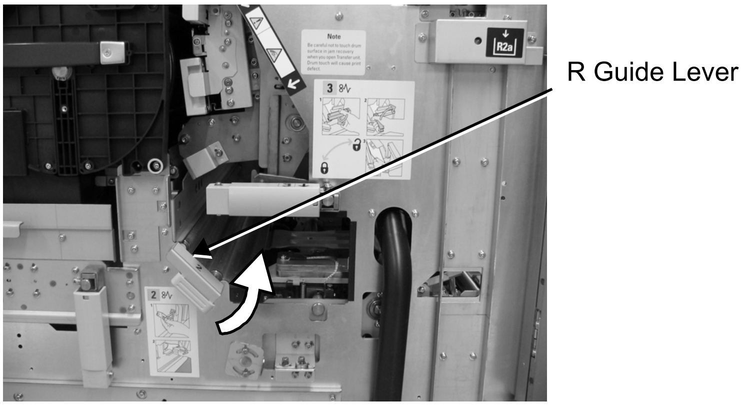


2. Open the back tension cover while holding the lock bracket.

   After checking for jammed paper, carefully close the tractor and back tension covers.

3. Open the right and left printer doors, then the internal door.

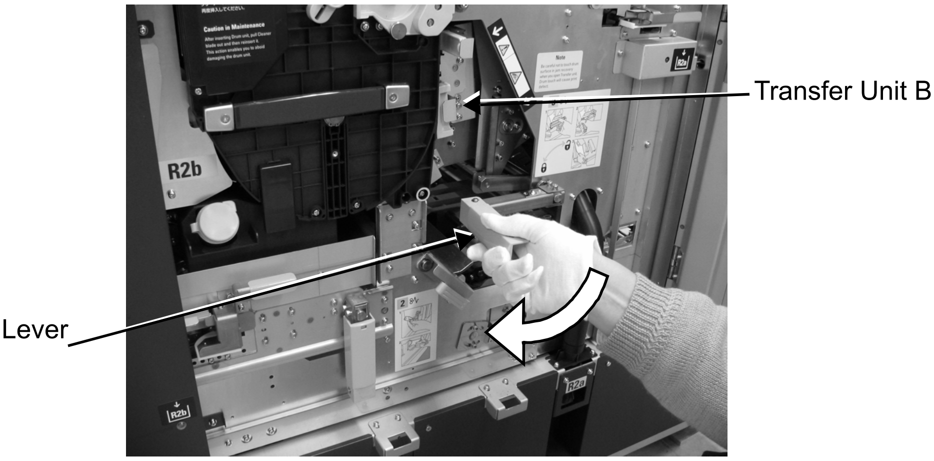
4. Raise the R guide lever completely.


R Guide Lever

After checking for jammed paper, hold the lever and carefully close the R guide.

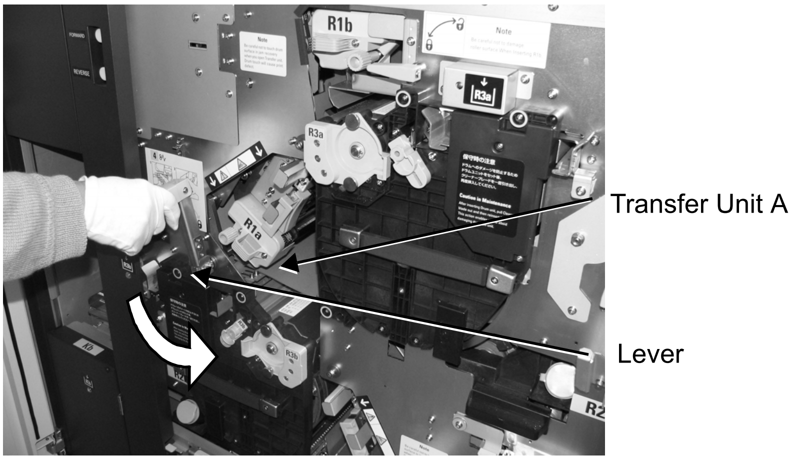
5. Raise transfer unit B lever and open the transfer unit completely.

After checking for jammed paper, close transfer unit B completely.


Transfer Unit B
Lever

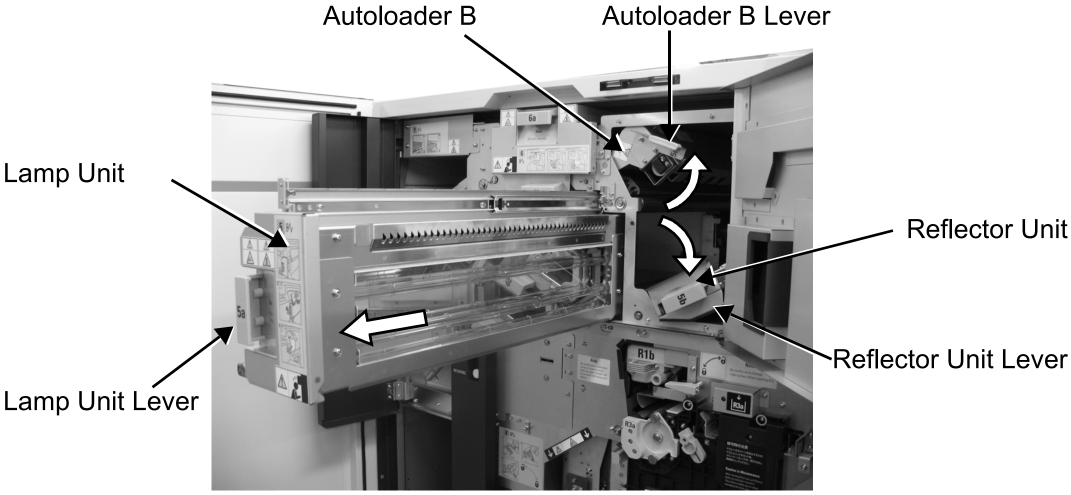
6. Raise transfer unit A lever and open the transfer unit completely.

After checking for jammed paper, close transfer unit A completely.


Transfer Unit A
Lever

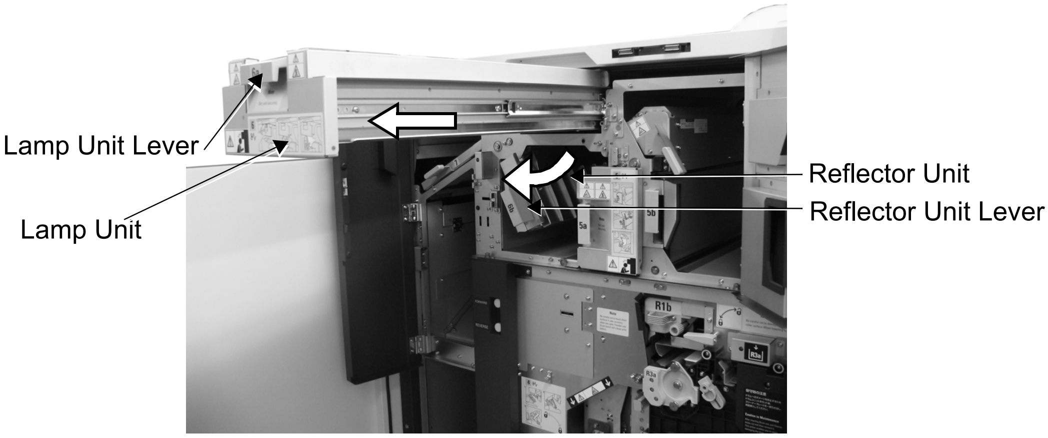
7. Open the Fuser Door.

8. Hold the lamp unit lever of fuser B and pull this slightly towards you.


Autoloader B
Autoloader B Lever
Lamp Unit
Reflector Unit
Reflector Unit Lever
Lamp Unit Lever

9. While pulling the reflector unit lever towards you, open the unit downward.
10. Raise the autoloader B lever to open it.

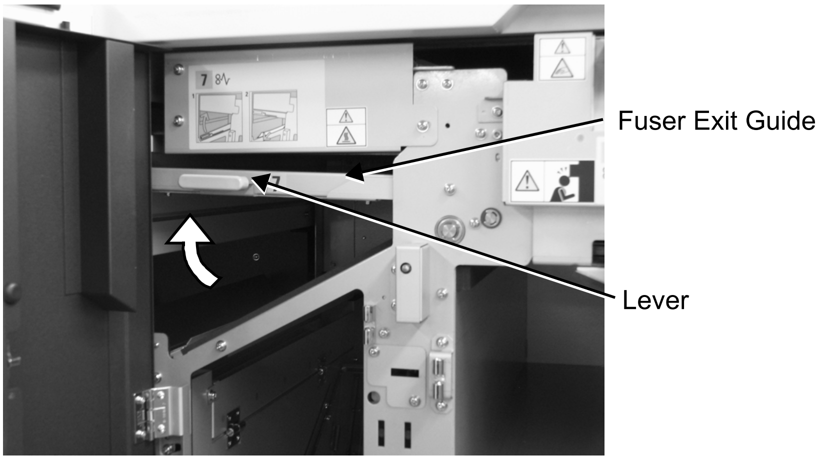
    After checking for jammed paper, hold the reflector unit lever and close it completely. Carefully close autoloader B and push the lamp unit lever in completely.
11. Hold the lamp unit lever of fuser A and pull this slightly towards you.


Lamp Unit Lever
Lamp Unit
Reflector Unit
Reflector Unit Lever

12. While pulling the reflector unit lever towards you, open the unit downward.

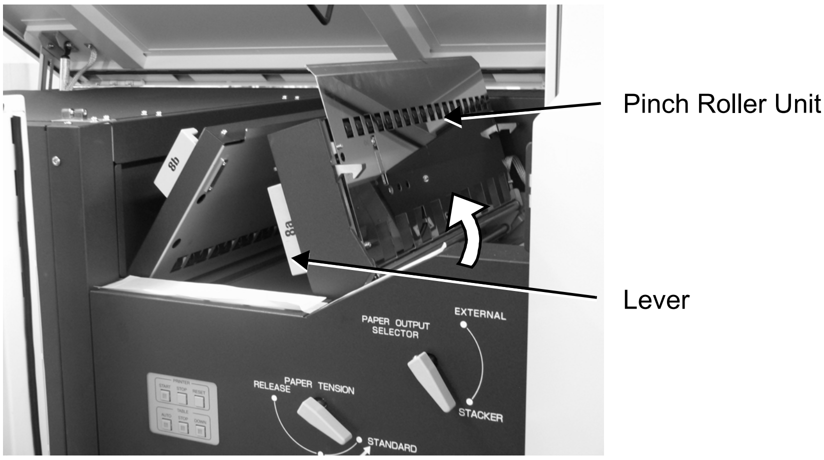
    After checking for jammed paper, hold the reflector unit lever and close it completely. Push the lamp unit lever in completely.
13. Close the Fuser Door and open the fuser left door.

14. Hold the fuser exit guide lever and open the guide completely.


Fuser Exit Guide
Lever

After checking for jammed paper, carefully close the guide.

15. Close the Fuser Left door and open the Right Stacker door.
16. While holding the pinch roller unit lever, pull the lock bracket to open the unit completely.


Pinch Roller Unit
Lever
8b
8a
PAPER OUTPUT SELECTOR
EXTERNAL
STACKER
PAPER TENSION
RELEASE
STANDARD

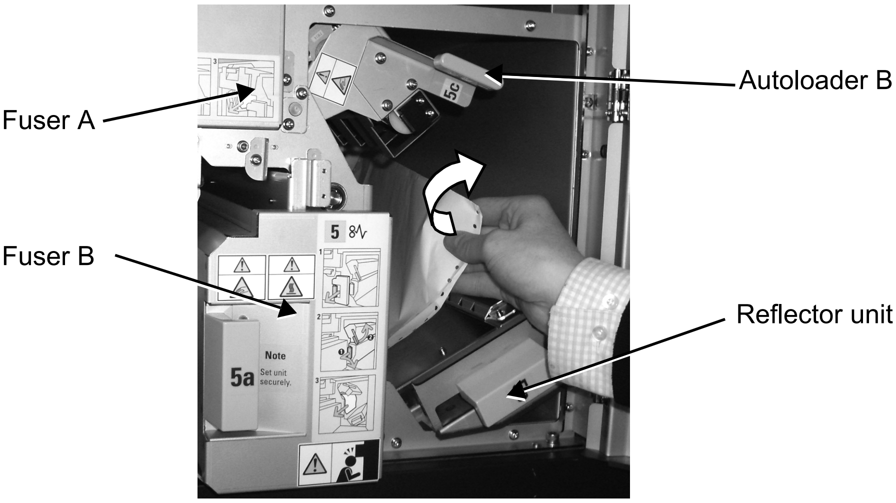
After checking for jammed paper, close the unit carefully until it is locked.

17. Close the right stacker door.

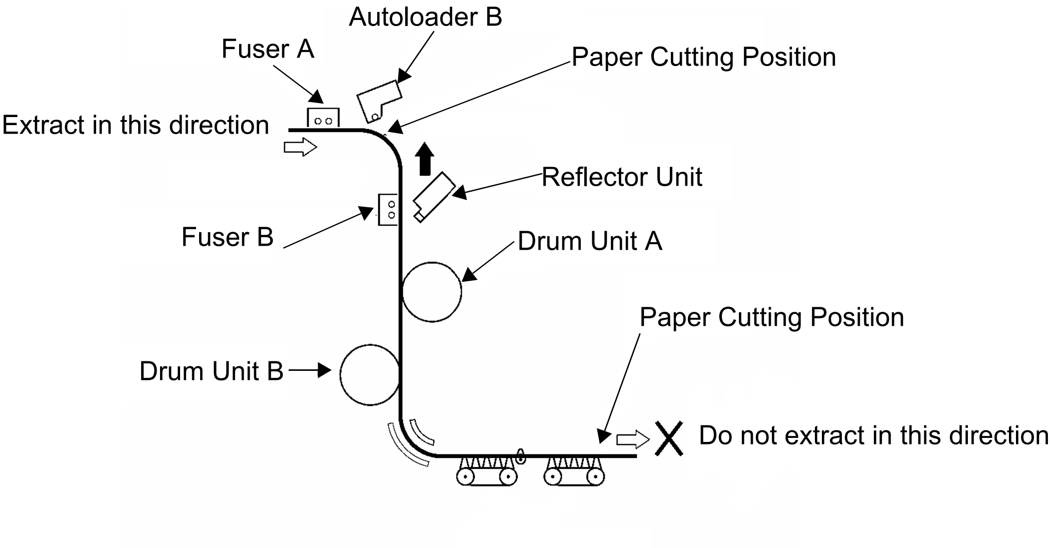
Removing non-fused paper

1. Open the right stacker door and press the stacker table DOWN switch. After the stacker has moved down about 10 cm, press the STOP switch.
2. Cut the top perforation of the paper.
3. Release the paper tension selector lever.
4. If the paper is not badly torn and can be transported by the tractors, remove the paper as shown in this step. If the paper is badly torn then go to step 5.
   - Press the RESET button on the stacker panel.

- Open the reflector unit for fuser B and autoloader B.


Fuser A
Autoloader B
Fuser B
Reflector unit

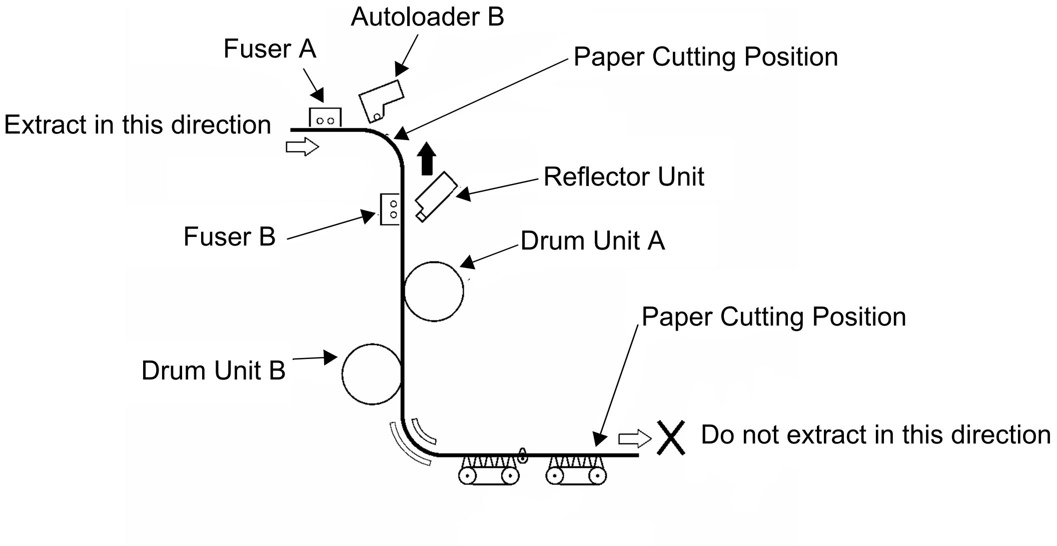
- Cut the paper before the tractors and before fuser A.


Autoloader B
Fuser A
Paper Cutting Position
Extract in this direction
Reflector Unit
Fuser B
Drum Unit A
Paper Cutting Position
Drum Unit B
Do not extract in this direction

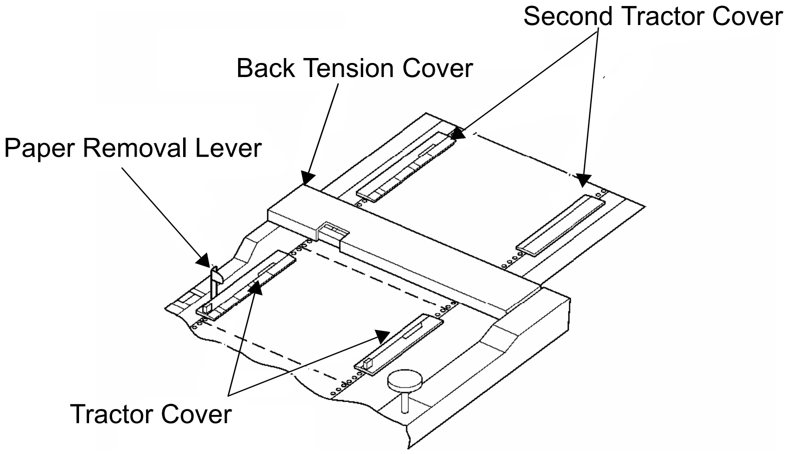
- If the paper is at fuser A, extract it from the entry of fuser A by hand.
- If the paper is at fuser B, press the Forward switch while pulling the paper in the direction shown and carefully extract the paper.

5. If the paper is cut completely or badly torn and cannot be transported by the tractors, remove the paper through an opening (tractor, R guide, transfer unit, fuser, or stacker) close to the damaged section.

   As paper between the transfer unit and fuser has a non-fused area, be sure to extract the paper in the direction shown.


Autoloader B
Fuser A
Paper Cutting Position
Extract in this direction
Reflector Unit
Fuser B
Drum Unit A
Paper Cutting Position
Drum Unit B
Do not extract in this direction

Remove the paper from the tractors as follows:


Second Tractor Cover
Back Tension Cover
Paper Removal Lever
Tractor Cover

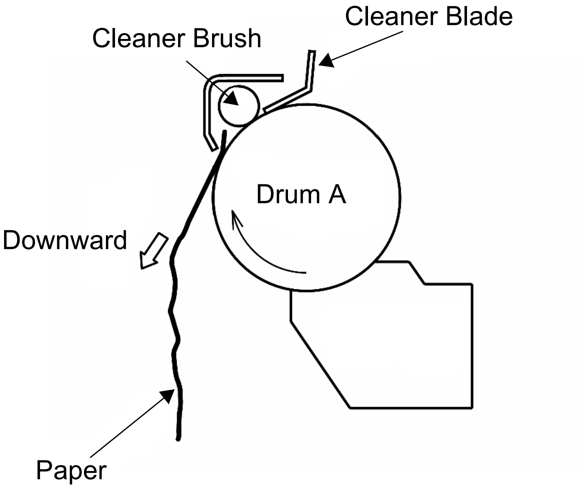
- Open the tractor cover and detach the paper from the tractor pins.
- Open the back tension cover while holding the lock bracket.
- Push the paper removal lever inside, open the second tractor cover, and detach the paper from the tractor pins.
- Remove the paper.

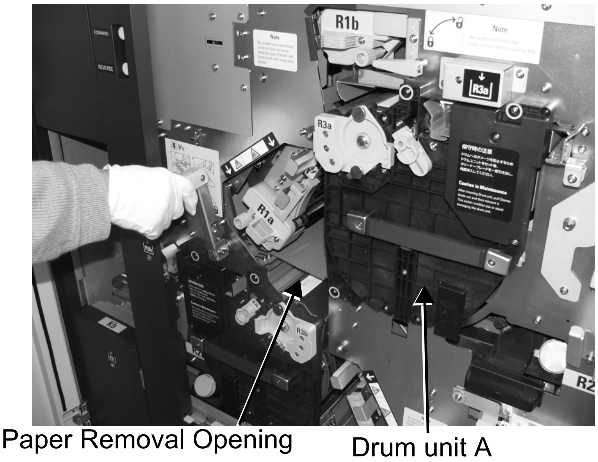
6. Close each opened section slowly.
7. Reload the paper (see "Paper Loading" on page 5-3).
8. Press the RESET and START switches on the stacker panel.

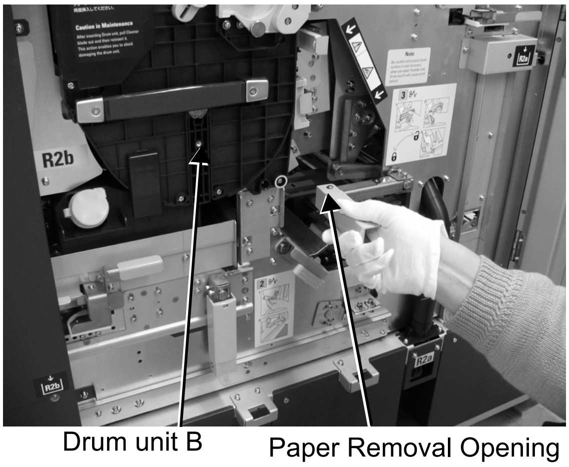
Clearing a paper jam at autoload

If an autoloading error causes a paper jam, execute autoload again after removing the jammed paper completely from the printer as explained below.

1. Locate the paper jam (See “Locating the paper jam” on page 3.).
2. Put your hand into the opening of transfer unit A (or B) and extract the paper in the direction shown (downward). After extracting all the jammed paper, cut and remove the paper through the opening.


Cleaner Blade
Cleaner Brush
Drum A
Downward
Paper


Paper Removal Opening
Drum unit A


Drum unit B
Paper Removal Opening

Notes:

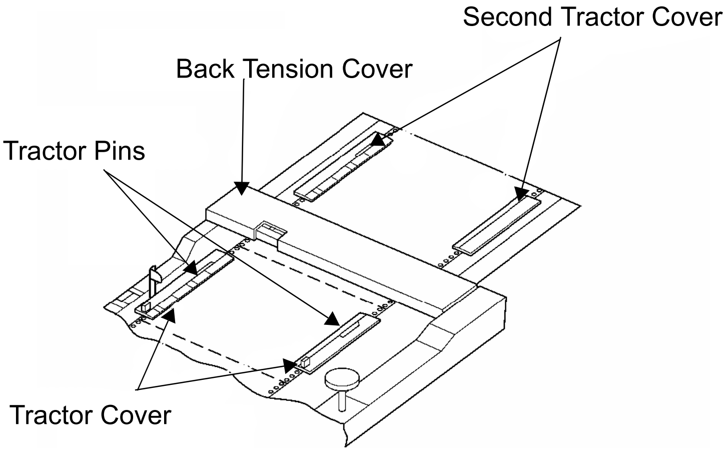
Do not pull the paper to this side until the jammed paper is completely extracted from the drum unit. If the paper is still jammed, pulling the paper may leave a piece of paper in the unit.

Paper stuck near the brush of the drum unit may be smeared with the toner. Remove all the smeared paper through the opening of the transfer unit.

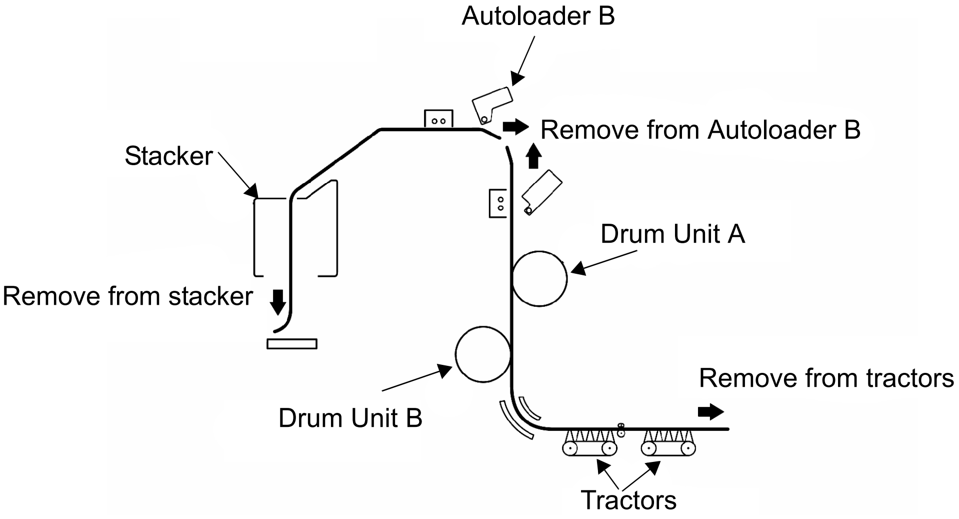
When removing jammed paper, be careful not to scratch the drum surface by your finger or watch.

Clearing a paper jam outside the drum unit

1. Cut off the jammed paper and remove it through the nearest opening (See “Locating the paper jam” on page 3.).
2. Cut the paper before the tractors.
3. Open the tractor and back tension covers and detach the paper from the tractor pins.


Second Tractor Cover
Back Tension Cover
Tractor Pins
Tractor Cover

4. Remove the paper from the tractors, stacker, or other accessible section where the paper can be removed easily.


Autoloader B
Remove from Autoloader B
Stacker
Drum Unit A
Remove from stacker
Remove from tractors
Drum Unit B
Tractors

Note: *In case of a paper jam when printing, the paper removal direction is limited because there is non-fused toner on the paper (See “Removing non-fused paper” on page 6.).*

5. Check that there is no paper left in each section.
6. Close each opened section slowly.

Clearing a post-processor jam

Jams in post-processing equipment fall into two categories:

- Jam in post-processors that report jams
- Jam in post-processors that do not report jams

These are handled as follows:

Jam in post-processors that report jams

- The print line remains aligned
- A jam is reported to the host
- After jam is cleared, line is set to ready again and printing resumes

Jam in post-processors that do not report jams

There are two possible ways to deal with these jams:

1. The jam is ignored at line level
    - The jam is cleared
    - The operator manipulates host (types backspace so that job is resumed)
    - The line is set to ready and printing resumes
2. The jam is not ignored at line level
    - The operator presses not aligned/jammed box in the bubble menu of the post-processor
    - The post-processor icon becomes not aligned
    - The jam is cleared
    - The operator presses aligned/unjammed box in bubble menu of the post-processor
    - The post-processor icon becomes aligned
    - The line is set to ready and printing resumes

Paper jam inside printer when connected to a post-processing device

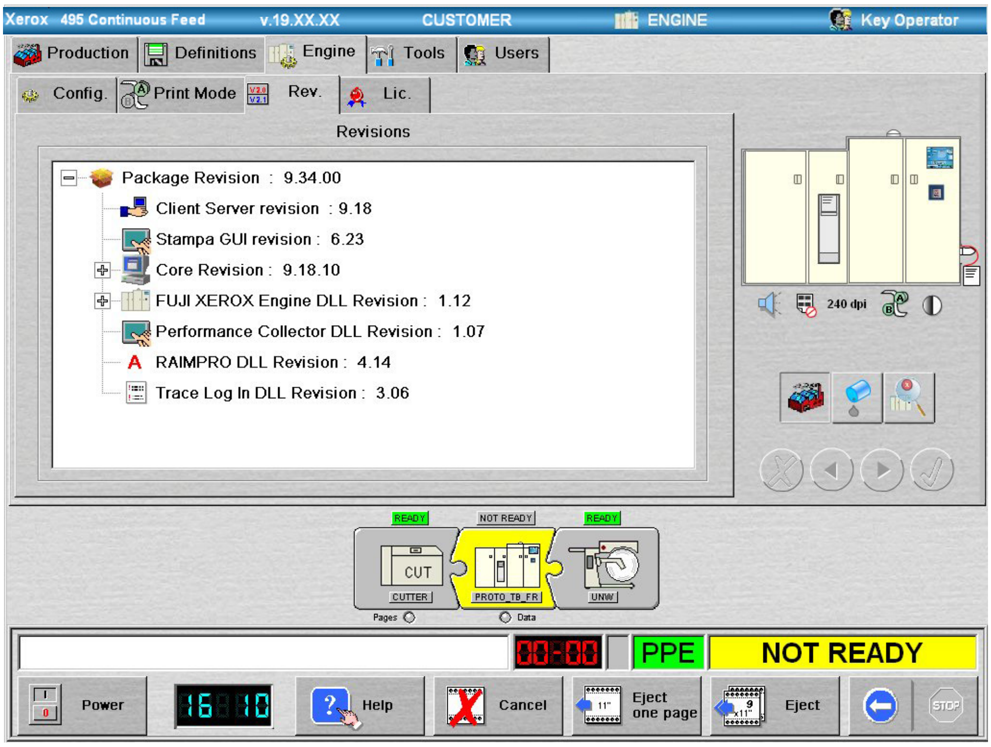
1. Locate the paper jam (See "Locating the paper jam" on page 9-3).
2. Remove the jammed paper manually from the entire line.
3. Reload paper to the entire line.

Paper jam between printer and post-processing device

1. Cut the paper between the printer and the post-processing device.
2. Remove the paper manually from the post-processing device.
3. Press LOAD on the bubble menu for the post-processing device (on the touch screen). This will release enough paper to cover the distance between the printer and the post-processing device.
4. Follow the instructions for the post-processing device to load the paper.

Checking software and hardware revisions

To check the software and hardware revisions, select the **Engine** tab, then the **Revisions** tab.


Xerox 495 Continuous Feed
v.19.XX.XX
CUSTOMER
ENGINE
Key Operator
Production
Definitions
Engine
Tools
Users
Config.
Print Mode
Rev.
Lic.
Revisions
240 dpi
READY
NOT READY
READY
CUT
CUTTER
PROTO_TB_FR
UNW
Pages
Data
00:00
PPE
NOT READY
Power
16:10
Help
Cancel
Eject one page
Eject
STOP

Package Revision : 9.34.00
- Client Server revision : 9.18
- Stampa GUI revision : 6.23
- Core Revision : 9.18.10
- FUJI XEROX Engine DLL Revision : 1.12
- Performance Collector DLL Revision : 1.07
- RAIMPRO DLL Revision : 4.14
- Trace Log In DLL Revision : 3.06

Using the tools screen

A number of tools are available for monitoring and testing the activities of the printer.

The system maintains a log of errors listed in order of severity. This can be consulted to check for error patterns. All users, except for those with the status of Operator, can delete the log file.

A number of on-line test patterns are available to check the quality of the print.

Displaying the error log

When two or more errors occur at the same time, the error codes and messages displayed on the status bar are given the following priority:

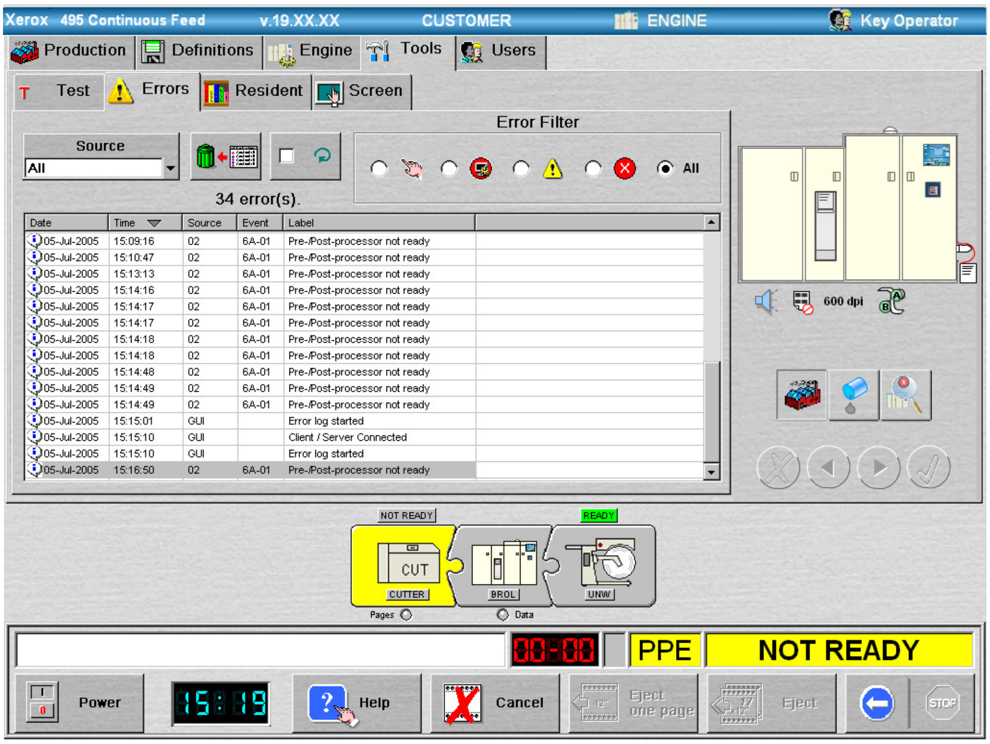
Priority	Error Type
1	MER (memory)
2	SVC (service call)
3	EMS (emergency stop)
4	OPC (operator check)

You can display a list of errors from the error log.

To display the error log:

1. Select the **Tools** tab, then the **Errors** tab.

   The Errors screen is used for consulting the error log and the various states of the printer (power-up sequences, error codes, and so on). The errors are displayed in chronological order and will be used mainly by Support personnel for technical analysis purposes.


Xerox 495 Continuous Feed v.19.XX.XX CUSTOMER ENGINE Key Operator
Production
Definitions
Engine
Tools
Users
Test
Errors
Resident
Screen
Error Filter
All
600 dpi
NOT READY
READY
CUT
CUTTER
BROL
UNW
Pages
Data
00-00
PPE
NOT READY
Power
15:19
Help
Cancel
Eject one page
Eject
STOP

Source: All

34 error(s).

Date	Time	Source	Event	Label
05-Jul-2005	15:09:16	02	6A-01	Pre-/Post-processor not ready
05-Jul-2005	15:10:47	02	6A-01	Pre-/Post-processor not ready
05-Jul-2005	15:13:13	02	6A-01	Pre-/Post-processor not ready
05-Jul-2005	15:14:16	02	6A-01	Pre-/Post-processor not ready
05-Jul-2005	15:14:17	02	6A-01	Pre-/Post-processor not ready
05-Jul-2005	15:14:17	02	6A-01	Pre-/Post-processor not ready
05-Jul-2005	15:14:18	02	6A-01	Pre-/Post-processor not ready
05-Jul-2005	15:14:18	02	6A-01	Pre-/Post-processor not ready
05-Jul-2005	15:14:48	02	6A-01	Pre-/Post-processor not ready
05-Jul-2005	15:14:49	02	6A-01	Pre-/Post-processor not ready
05-Jul-2005	15:14:49	02	6A-01	Pre-/Post-processor not ready
05-Jul-2005	15:15:01	GUI		Error log started
05-Jul-2005	15:15:10	GUI		Client / Server Connected
05-Jul-2005	15:15:10	GUI		Error log started
05-Jul-2005	15:16:50	02	6A-01	Pre-/Post-processor not ready

2. Select the Source to trace.

3. Select one of the error filter radio buttons according to how you want to filter the errors. These are:

   - ○ only the **Intervention Errors** are displayed. These are errors without a need to reprint or reconstruct pages. These errors are displayed on the panel and you need to press the **Reset** button.

   - ○ only the **Recovery Errors** are displayed. These are errors, typically paper jams where you need to reprint or reconstruct pages. These errors are displayed on the panel and you need to press the **Reset** button. The host will recover any lost pages and insert a warning banner sheet in the place where the jam occurred.

   - ○ only the **Severe Errors** are displayed. These are errors where you need to reprint or reconstruct pages. These errors are displayed on the panel and you need to press the **Reset** button and restart the job.

- ○ ✖ only the **Fatal Errors** are displayed. These are errors that generally occur at Initial Program Load (IPL) from which there is no recovery. These errors are displayed on the panel and you need to press the **Reset** button, configure the printer and host and restart the job.
- ● All **All** errors are displayed including successful and informational messages.

4. Press the arrows of the scroll bar to scroll upwards or downwards a line at a time. Press the scroll bar cursor for fast scrolling. Press the free area to scroll upwards or downwards a page at a time.
5. Press the ☐ ↻ check box to update the error list. Otherwise it will be updated only when you open the tab.
6. Press the 🗑 button if you want to delete the entries in the error log. This is not available to users at Operator level.

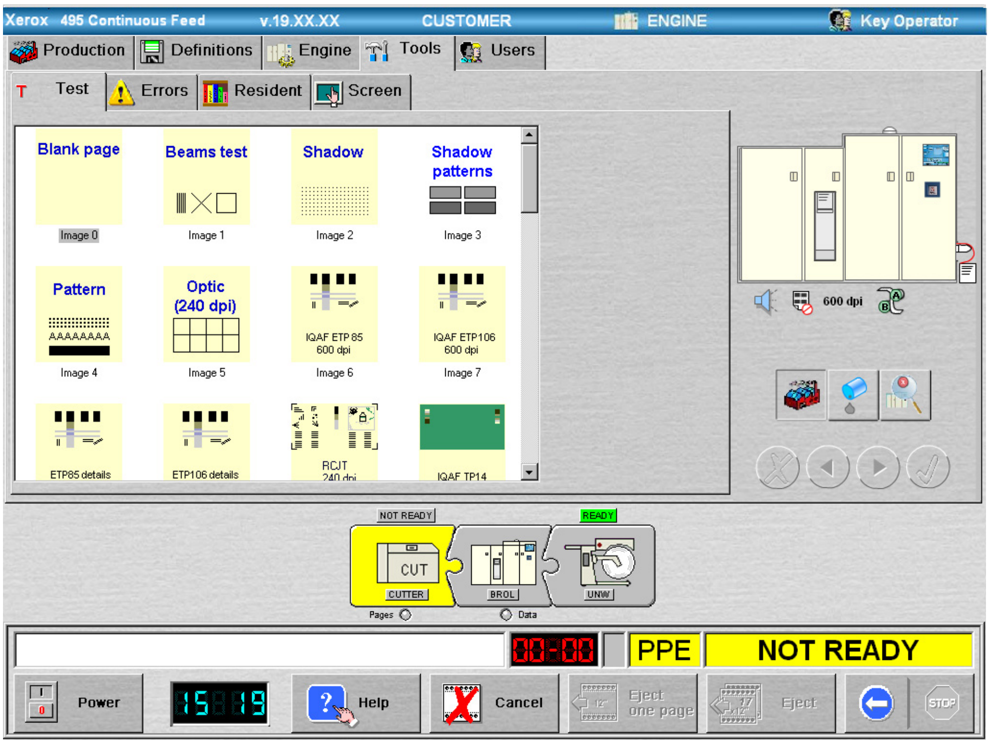
Printing test overlays

Note: *Test patterns do not print when forced two-up has been set by software.*

To print a test overlay:

1. Stop the **current job.**
2. At the **Production** tab, press the **Online** button to switch the system to the offline state (Online is not illuminated).
3. Select the **Test** attachment and press the **Online** button to enable it.
4. Make sure that the line is in a Not Ready State.
5. Select the **Tools** tab, then the **Test** tab.

   The **Test** screen is used for printing different overlays. This will be used mainly by Support personnel for analysis of print quality.


Xerox 495 Continuous Feed
v.19.XX.XX
CUSTOMER
ENGINE
Key Operator
Production
Definitions
Engine
Tools
Users
Test
Errors
Resident
Screen
Blank page
Image 0
Beams test
Image 1
Shadow
Image 2
Shadow patterns
Image 3
Pattern
AAAAAAAA
Image 4
Optic (240 dpi)
Image 5
IQAF ETP 85 600 dpi
Image 6
IQAF ETP106 600 dpi
Image 7
ETP85 details
ETP106 details
RCJT 240 dpi
IQAF TP14
600 dpi
NOT READY
READY
CUT
CUTTER
BROL
UNW
Pages
Data
00:00
PPE
NOT READY
Power
15 19
Help
Cancel
Eject one page
Eject
STOP

6. Choose a test pattern.
7. Press the Start button to print the test pattern.
8. Press the ⬅ STOP button to stop printing the test pattern.
9. Press ✗ to drain the test.
10. At the **Production** tab, press the **Online** button to disable the test attachment.
11. Choose another attachment and press the **Online** button to enable it.

Status codes

Status codes are displayed along with some engine state messages. These codes are shown in the following table.

Code	Meaning
00-00	Engine Halted
00-01	Engine Warming Up
00-02	Engine Off
00-03	Engine Standby
00-04	Engine Ejecting
00-05	Controller in Error
00-06	Aligning

Error codes

Error codes fall into two categories, those reporting problems in the printer engine and those reporting problems with the software.

For all errors:

1. Record the displayed error code and message.
2. If the code is listed in the tables, carry out the suggested action(s).
3. Press the RESET button to clear the error code.
4. If the problem persists, power the printer off then on. See "Switching the printer on and off" on page 3-2.
5. If the problem persists, contact your dealer for service or advice quoting the error code number and message.

Pre-/Post-processor errors are reported to the GUI by the PLB system. As a result, error codes are not displayed on the GUI for these errors. Instead, the status of pre-/post-processing equipment is displayed on either the GUI print line or status bar. For further information, refer to "Print line" on page 2-20 and "Status bar" on page 2-23, or to the instructions provided with the equipment.

Printer engine error codes

Each error is described with a possible solution. If the solution fails to cure the problem contact your dealer for service or advice.

Code	Display Message	Procedure
01-01	Out of paper	The printer cannot detect any more paper. 1. Load new paper (see "Paper Loading" on page 5-3). 2. Press RESET on the touch screen and then set the printer to ready.
01-02	Feeder not ready	The supply unit is not ready. 1. Check the pre-processing unit. 2. Press RESET on the touch screen and then set the printer to ready.
02-01	Stacker full	The amount of paper on the stacker table exceeds the given capacity (see "Removing Paper" on page 5-12).
03-01	Roller unit B[R1b] end of life	If you would like to change this consumable now then go to the Consumables view and press the Change button to replace roller unit B[R1b].
03-03	Roller unit A[R1a] end of life	If you would like to change this consumable now then go to the Consumables view and press the Change button to replace Roller unit A[R1a].
04-01	Toner [Ka] end of life	If you would like to change this consumable now then go to the Consumables view and press the Change button to replace Toner [Ka].
04-02	Toner [Kb] end of life	If you would like to change this consumable now then go to the Consumables view and press the Change button to replace Toner [Kb].

Code	Display Message	Procedure
05-01	Toner collector full	If you would like to change this consumable now then go to the Consumables view and press the Change button to replace the toner collector.
05-02	No toner collector	The toner collector has either shifted or has not been installed (see "Replacing the toner collector" on page 8-24).
05-04	Toner shutter A open	1. Open the right printer door. 2. Close the lid to toner supply port A. 3. Close the right front door. 4. Press RESET on the touch screen and then set the printer to ready.
05-05	Toner shutter B open	1. Open the right and left printer doors. 2. Close the lid to toner supply port B. 3. Close the right center and right front doors. 4. Press RESET on the touch screen and then set the printer to ready.
06-01	Developer [R2a] end of life	If you would like to change this consumable now then go to the Consumables view and press the Change button to replace developer [R2a].
06-02	Developer [R2b] end of life	If you would like to change this consumable now then go to the Consumables view and press the Change button to replace developer [R2b].
08-02	Fuser Door open	1. Open the right and left printer doors. 2. Close the Fuser Door. 3. Close the right and left printer doors. 4. Press RESET on the touch screen and then set the printer to ready.
08-03	Fuser Door open (during printing or emergency stop)	1. Open the right and left printer doors. 2. Close the Fuser Door. 3. Close the right and left printer doors. 4. Press RESET on the touch screen. 5. Press FORWARD/REVERSE on the autoload panel to match the correct perforation number. 6. Select FOLD-OUT/-IN on the autoload panel to match the correct fold-out/-in position of the paper. 7. Press RESET on the touch screen and then set the printer to ready.
08-04	Paper tension lever released	The Paper tension lever may have been released when removing a paper jam. 1. Open the right stacker door. 2. Set the paper tension lever to match the paper in use. 'Standard' is for ordinary printing. 'Weak' is for when printing with special paper. 3. Close the right stacker door. 4. Press RESET on the touch screen and then set the printer to ready.

Code	Display Message	Procedure
08-05	Paper tension lever released (during printing or emergency stop)	1. Open the right stacker door. 2. Set the paper tension lever to match the paper in use. 'Standard' is for ordinary printing. 'Weak' is for when printing with special paper. 3. Close the right stacker door. 4. Press RESET on the touch screen. 5. Press FORWARD/REVERSE on the autoload panel to match the correct perforation number. 6. Select FOLD-OUT/-IN on the autoload panel to match the correct fold-out/-in position of the paper. 7. Press RESET on the touch screen and then set the printer to ready.
08-10	Pinch roller unit open	1. Open the right stacker door. 2. Close the pinch roller unit. 3. Close the right stacker door. 4. Press RESET on the touch screen and then set the printer to ready.
08-11	Pinch roller unit open (during printing or emergency stop)	1. Open the right stacker door. 2. Close the pinch roller unit. 3. Close the right stacker door. 4. Press FORWARD/REVERSE on the autoload panel to match the perforation number. 5. Select FOLD-OUT/-IN on the autoload panel to match the correct fold-out/-in position. 6. Press RESET on the touch screen and then set the printer to ready.
08-13	Tractor cover open	1. Close the tractor cover. 2. Set the paper ejection guide to the correct position. 3. Press RESET on the touch screen and then set the printer to ready.
08-14	Tractor cover open (during printing or emergency stop)	1. Close the tractor cover. 2. Set the paper ejection guide to the correct position. 3. Press RESET on the touch screen. 4. Press FORWARD/REVERSE on the autoload panel to match the perforation number. 5. Press FOLD-OUT/-IN on the autoload panel to select the correct fold. 6. Press RESET on the touch screen and then set the printer to ready.
09-01	Stacker not ready	The stacker table is not at the AUTO position. 1. Open the right stacker door. 2. Press AUTO on the stacker panel to raise the table to the correct position. 3. Close the right stacker door. 4. Press RESET on the touch screen and then set the printer to ready.

Code	Display Message	Procedure
09-02	Stacker table not set	The stacker table is not in the correct position. It may have been pulled out. 1. Push in the stacker table fully. 2. Press AUTO on the stacker panel to raise the table to the correct position. 3. Close the right stacker door. 4. Press RESET on the touch screen and then set the printer to ready.
09-03	Stacker table safety switch check	The stacker table safety switch has tripped. There may be paper, or some other object, stuck on the stacker table. 1. Open the right stacker door. 2. Press DOWN on the stacker panel to lower the stacker table. 3. Look over and under the stacker table and remove the paper or blocking object. 4. Press AUTO on the stacker panel to raise the table to the correct position. 5. Close the right stacker door. 6. Press RESET on the touch screen and then set the printer to ready.
09-05	Form length guide held up	The form length guide is pushed upward. The paper on the stacker table needs to be readjusted. 1. Open the right stacker door of the printer. 2. Press DOWN on the stacker panel to lower the stacker table. 3. Adjust the paper by pressing it against the right side of the stacker. 4. Press AUTO on the stacker panel to raise the table to the correct position. 5. Close the left center door. 6. Press RESET on the touch screen and then set the printer to ready.
09-0A	Stacker/Paper output selector lever check	The selector lever of the stacker or another post-processor is incorrectly positioned. 1. Open the right stacker door. 2. Reposition the selector lever of the stacker or other post-processor (see "Loading paper to a post-processing device" on page 5-16). 3. Close the right stacker door. 4. Press RESET on the touch screen and then set the printer to ready.
09-0B	Stacker/Paper output selector lever check (during printing or emergency stop)	The selector lever of the stacker or another post-processor was moved during printing. 1. Open the right stacker door. 2. Reposition the selector lever of the stacker or other post-processor. 3. Close the right stacker door. 4. Press FORWARD/REVERSE on the autoload panel to match the perforation number. 5. Press RESET on the touch screen. 6. Press FOLD-OUT/-IN on the autoload panel to select the correct paper fold. 7. Press RESET on the touch screen and then set the printer to ready.

Code	Display Message	Procedure
0A-01	Cleaner blade A missing	1. Cleaner blade A has not been installed (see "Replacing the cleaner brush and blade" on page 8-18). 2. Press RESET on the touch screen.
0A-02	Cleaner blade B missing	1. Cleaner blade B has not been installed (see "Replacing the cleaner brush and blade" on page 8-18). 2. Press RESET on the touch screen.
0A-03	Kit A[R3a] end of life	If you would like to change this consumable now then go to the Consumables view and press the Change button to replace kit A[R3a].
0A-04	Kit B[R3b] end of life	If you would like to change this consumable now then go to the Consumables view and press the Change button to replace kit B[R3b].
0B-01	Smoke filter end of life	If you would like to change this consumable now then go to the Consumables view and press the Change button to replace the smoke filter.
0D-02	Splice guide pins held up	The splice guide pins need to be lowered. 1. Lower the splice guide lever. 2. Press RESET on the touch screen and then set the printer to ready.
0D-03	Splice guide pins held up (during printing or emergency stop)	The splice guide pins need to be lowered and the paper realigned. 1. Lower the splice guide lever. 2. Press RESET on the touch screen. 3. Press FOLD-OUT/-IN on the autoload panel to select the correct paper fold. 4. Press RESET on the touch screen and then set the printer to ready.
0D-04	Paper not loaded	1. Open the right stacker door. 2. Empty the stacker table. 3. Press AUTO on the stacker panel to raise the stacker table to the printing position. 4. Close the right stacker door. 5. Press RESET on the touch screen. 6. Load the paper automatically (see "Paper autoloading" on page 5-4). 7. Press RESET on the touch screen and set the printer to ready.
0D-06	Fold-out/-in check	The paper perforation needs to be realigned (see "Setting the perforation position" on page 5-9).
0D-07	Paper already loaded	There was already paper in the printer when the LOAD switch was pressed. 1. Remove the paper from the printer (see "Removing Paper" on page 5-12). 2. Reload the paper (see "Paper Loading" on page 5-3) or press FORWARD/REVERSE on the autoload panel, to correct the paper alignment. 3. Press FOLD-OUT/-IN on the autoload panel to select the correct paper fold. 4. Press RESET on the touch screen and then set the printer to ready.

Code	Display Message	Procedure
0D-08	Incomplete paper width measurement	The paper width was set manually but LOAD was not pressed on the autoload panel. 1. Press LOAD on the autoload panel. 2. Press RESET on the touch screen and then set the printer to ready.
0D-10	Back tension cover open	1. Close the back tension cover of the printer. 2. Press RESET on the touch screen and then set the printer to ready.
0D-11	Hopper bar not set/Seam detected (during autoloading)	1. Raise the hopper cover. 2. Change the position of the hopper bar lever, on the left side of the hopper. 3. Lower the hopper cover. 4. Press RESET on the touch screen and then set the printer to ready.
0D-12	Hopper cover open	1. Close the hopper cover. 2. Press RESET on the touch screen and then set the printer to ready.
12-01	Autoload time-out	1. Press RESET on the touch screen. 2. Remove the paper jam (see "Clearing paper jams" on page 9-3). 3. Restart the autoload procedure (see "Paper autoloading" on page 5-4). 4. Press LOAD on the autoload panel.
13-02	Pinch roller pressure motor A alarm	An overcurrent was detected in pinch roller pressure motor A. 1. Check the printing status and the paper position. 2. Press RESET on the touch screen and then set the printer to ready.
13-03	Pinch roller pressure motor B alarm	An overcurrent was detected in pinch roller pressure motor B. 1. Check the printing status and the paper position. 2. Press RESET on the touch screen and then set the printer to ready.
13-04	Pinch roller pressure motor A time-out	An operation failure was detected in pinch roller pressure motor A. 1. Check the printing status and the paper position. 2. Press RESET on the touch screen and then set he printer to ready.
13-05	Pinch roller pressure motor B time-out	An operation failure was detected in pinch roller pressure motor B. 1. Check the printing status and the paper position. 2. Press RESET on the touch screen and then set he printer to ready.
13-06	Pinch roller A position error	Pinch roller A was in the up position during printing. 1. Check the printing status and the paper position. 2. Press RESET on the touch screen and then set he printer to ready.
13-07	Pinch roller B position error	Pinch roller B was in the up position during printing. 1. Check the printing status and the paper position. 2. Press RESET on the touch screen and then set the printer to ready.

Code	Display Message	Procedure
16-11	Guide roller motor rotation alarm	A rotation error has been detected in the guide roller motor. 1. Check that Roller Unit A[R1a] is correctly installed and the thumbscrew is securely tightened (see "Replacing Roller unit A[R1a]" on page 8-13). 2. Press RESET on the touch screen and then set the printer to ready.
16-12	Fold-back motor rotation alarm	A rotation error has been detected in the fold-back motor. 1. Check that Roller Unit B[R1b] is correctly installed and the thumbscrew is securely tightened (see "Replacing Roller unit B[R1b]" on page 8-15). 2. Press RESET on the touch screen and then set the printer to ready.
16-13	Shield motor rotation alarm	A rotation error has been detected in the shield motor. 1. Check the printing status and the paper position. 2. Press RESET on the touch screen and then set the printer to ready.
16-16	Back tension motor rotation alarm	A rotation error has been detected in the back tension motor. 1. Check the printing status and the paper position. 2. Press RESET on the touch screen and then set the printer to ready.
19-4C	Transfer guide 1 position error (attach)	A position error has been detected in transfer guide A. It is not attached. 1. Check the printing status and the paper position. 2. Press RESET on the touch screen and then set the printer to ready.
19-4D	Transfer guide 1 position error (detach)	A position error has been detected in transfer guide A. It is not detached. 1. Check the printing status and the paper position. 2. Press RESET on the touch screen and then set the printer to ready.
19-7C	Transfer guide 2 position error (attach)	A position error has been detected in transfer guide B. It is not attached. 1. Check the printing status and the paper position. 2. Press RESET on the touch screen and then set the printer to ready.
19-7D	Transfer guide 2 position error (detach)	A position error has been detected in transfer guide B. It is not detached. 1. Check the printing status and the paper position. 2. Press RESET on the touch screen and then set the printer to ready.
1B-0B	Paper width motor time-out	1. Press RESET on the touch screen. 2. Remove the paper jam (see "Clearing paper jams" on page 9-3). 3. Restart the autoload procedure (see "Paper autoloading" on page 5-4). 4. Press LOAD on the autoload panel.

Code	Display Message	Procedure
1B-0C	Paper width measurement alarm	A paper width of 18 inches or more has been detected. 1. Press RESET on the touch screen. 2. Remove the paper jam (see "Clearing paper jams" on page 9-3). 3. Restart the autoload procedure (see "Paper autoloading" on page 5-4). 4. Press LOAD on the autoload panel.
1C-0D	Shutter motor time-out	A shutter motor error has been detected in the heater unit. 1. Check the printing status and the paper position. 2. Press RESET on the touch screen and then set the printer to ready.
1D-09	Transport motor detent alarm	There is a problem with the paper feed. 1. Check the printing status and the paper position. 2. Press RESET on the touch screen and then set the printer to ready.
1E-08	Transport motor alarm	A rotation error has been detected in the transport motor. 1. Check the printing status and the paper position. 2. Press RESET on the touch screen and then set the printer to ready.
20-01	Paper jam near the fuser exit	There is torn or jammed paper near the fuser exit. Clear the paper jam (see "Clearing paper jams" on page 9-3).
21-01	Paper jam (at the roller detector)	There is torn or jammed paper at the roller detector. Clear the paper jam (see "Clearing paper jams" on page 9-3).
21-02	Paper jam (near the tractors)	There is torn or jammed paper near the tractors. Clear the paper jam (see "Clearing paper jams" on page 9-3).
21-03	Paper skew (emergency stop)	There is torn or jammed paper near the tractors. Clear the paper jam as follows: 1. Open the front and rear tractor covers. 2. Open the back tension cover while holding the lock bracket. 3. Check for jammed paper. 4. Realign the paper and press FORWARD/REVERSE on the autoload panel to attempt to move the paper through the printer. 5. If this fails, cut the paper at the printer entrance. 6. Clear all paper from the paper path. 7. Reload paper to the tractors and check the paper tension, if necessary. 8. Load the paper automatically (see "Paper autoloading" on page 5-4). 9. Press FORWARD/REVERSE on the autoload panel, to correct the paper alignment. 10. Press FOLD-OUT/-IN on the autoload panel to select the correct paper fold. 11. Press RESET on the touch screen and then set the printer to ready.
22-32	Fuser 1 temperature too high	1. Record the displayed error code and message. 2. Press the RESET button to clear the error code. 3. Set the printer to ready. 4. If the problem persists, power the printer off then on. 5. If the problem persists, call for service or advice quoting the error code number and message.

Code	Display Message	Procedure
22-62	Fuser 2 temperature too high	1. Record the displayed error code and message. 2. Press the RESET button to clear the error code. 3. Set the printer to ready. 4. If the problem persists, power the printer off then on. 5. If the problem persists, call for service or advice quoting the error code number and message.
24-28	Flash 1 error 1	1. Record the displayed error code and message. 2. Press the RESET button to clear the error code. 3. Set the printer to ready. 4. If the problem persists, power the printer off then on. 5. If the problem persists, call for service or advice quoting the error code number and message.
24-29	Flash 1 error 2	1. Record the displayed error code and message. 2. Press the RESET button to clear the error code. 3. Set the printer to ready. 4. If the problem persists, power the printer off then on. 5. If the problem persists, call for service or advice quoting the error code number and message.
24-58	Flash 2 error 1	1. Record the displayed error code and message. 2. Press the RESET button to clear the error code. 3. Set the printer to ready. 4. If the problem persists, power the printer off then on. 5. If the problem persists, call for service or advice quoting the error code number and message.
24-59	Flash 2 error 2	1. Record the displayed error code and message. 2. Press the RESET button to clear the error code. 3. Set the printer to ready. 4. If the problem persists, power the printer off then on. 5. If the problem persists, call for service or advice quoting the error code number and message.
25-2A	Flash charge 1 voltage too low	1. Record the displayed error code and message. 2. Press the RESET button to clear the error code. 3. Set the printer to ready. 4. If the problem persists, power the printer off then on. 5. If the problem persists, call for service or advice quoting the error code number and message.
25-5A	Flash charge 2 voltage too low	1. Record the displayed error code and message. 2. Press the RESET button to clear the error code. 3. Set the printer to ready. 4. If the problem persists, power the printer off then on. 5. If the problem persists, call for service or advice quoting the error code number and message.
26-2C	Flash 1 cycle alarm	1. Record the displayed error code and message. 2. Press the RESET button to clear the error code. 3. Set the printer to ready. 4. If the problem persists, power the printer off then on. 5. If the problem persists, call for service or advice quoting the error code number and message.

Code	Display Message	Procedure
26-5C	Flash 2 cycle alarm	1. Record the displayed error code and message. 2. Press the RESET button to clear the error code. 3. Set the printer to ready. 4. If the problem persists, power the printer off then on. 5. If the problem persists, call for service or advice quoting the error code number and message.
27-2B	Flash 1 runaway	1. Record the displayed error code and message. 2. Press the RESET button to clear the error code. 3. Set the printer to ready. 4. If the problem persists, power the printer off then on. 5. If the problem persists, call for service or advice quoting the error code number and message.
27-5B	Flash 2 runaway	1. Record the displayed error code and message. 2. Press the RESET button to clear the error code. 3. Set the printer to ready. 4. If the problem persists, power the printer off then on. 5. If the problem persists, call for service or advice quoting the error code number and message.
2A-01	Print position check error (emergency stop)	A problem occurred during the print position check. 1. Check the printing status and the paper position. 2. Press RESET on the touch screen and then set he printer to ready.
31-02	Paper path check	An abnormal page seam is detected on the paper. 1. Eject paper (see "Ejecting paper from the printer" on page 5-2). 2. Press RESET on the touch screen and then set the printer to ready.
31-03	Seam detected (emergency stop)	1. Remove the paper from the printer (see "Removing Paper" on page 5-12). 2. Restart the autoload procedure (see "Paper autoloading" on page 5-4). 3. Press RESET on the touch screen and then set the printer to ready.
32-01	Stacking error	The paper on the stacker table has not folded properly. 1. Open the right stacker door. 2. Press DOWN on the stacker panel to lower the stacker table. 3. Look over and under the stacker table and remove the paper or blocking object OR Fold the paper. 4. Press AUTO on the stacker panel. 5. Close the right stacker door. 6. Press RESET on the touch screen and then set the printer to ready.
60-26	Developer 1 temperature alarm	1. Record the displayed error code and message. 2. Press the RESET button to clear the error code. 3. Set the printer to ready. 4. If the problem persists, power the printer off then on. 5. If the problem persists, call for service or advice quoting the error code number and message.

Code	Display Message	Procedure
60-31	Developing unit 1 motor rotation alarm	1. Record the displayed error code and message. 2. Press the RESET button to clear the error code. 3. Set the printer to ready. 4. If the problem persists, power the printer off then on. 5. If the problem persists, call for service or advice quoting the error code number and message.
60-41	Developing unit 1 stirring axis rotation alarm	1. Record the displayed error code and message. 2. Press the RESET button to clear the error code. 3. Set the printer to ready. 4. If the problem persists, power the printer off then on. 5. If the problem persists, call for service or advice quoting the error code number and message.
60-42	Developer 1 magnetic roll rotation alarm	1. Record the displayed error code and message. 2. Press the RESET button to clear the error code. 3. Set the printer to ready. 4. If the problem persists, power the printer off then on. 5. If the problem persists, call for service or advice quoting the error code number and message.
60-43	Developer discharge bottle [R2a] not set (emergency stop)	At this point during the replacement of Developer [R2a], the discharge bottle should be set. 1. Open the empty bottle cover at the rear of the printer. 2. Remove the empty developer mixture bottle. 3. Place the empty bottle at developer discharge port [R2a]. 4. Press RESET on the touch screen.
60-44	Developer discharge lever [R2a] closed (emergency stop)	At this point during the replacement of Developer [R2a], the discharge lever should be open. 1. Lift the lock lever of Developer [R2a] to unlock the discharge lever. 2. Pull the discharge lever out to open it. 3. Press RESET on the touch screen.
60-45	Developer discharge lever [R2a] open (emergency stop)	At this point during the replacement of Developer [R2a], the discharge lever should be closed. 1. Push in the discharge lever of Developer [R2a]. 2. Close the lock lever to secure the discharge lever. 3. Press RESET on the touch screen.
60-51	Developing unit interlock [R2a] (emergency stop)	The interlock for developer unit [R2a] is not set. 1. Re-position developer unit [R2a] to correctly trigger the interlock. 2. Press RESET on the touch screen and then set the printer to ready.
60-52	Developing unit interlock [R2b] (emergency stop)	The interlock for developer unit [R2b] is not set. 1. Re-position developer unit [R2b] to correctly trigger the interlock. 2. Press RESET on the touch screen and then set the printer to ready.

Code	Display Message	Procedure
60-56	Developer 2 temperature alarm	1. Record the displayed error code and message. 2. Press the RESET button to clear the error code. 3. Set the printer to ready. 4. If the problem persists, power the printer off then on. 5. If the problem persists, call for service or advice quoting the error code number and message.
60-57	Developer discharge lever [R2b] closed (emergency stop)	At this point during the replacement of Developer [R2b], the discharge lever should be open. 1. Lift the lock lever of Developer [R2b] to unlock the discharge lever. 2. Pull the discharge lever out to open it. 3. Press RESET on the touch screen.
60-58	Developer discharge lever [R2b] open (emergency stop)	At this point during the replacement of Developer [R2b], the discharge lever should be closed. 1. Push in the discharge lever of Developer [R2b]. 2. Close the lock lever to secure the discharge lever. 3. Press RESET on the touch screen.
60-59	Developer discharge bottle [R2b] not set (emergency stop)	At this point during the replacement of Developer [R2b], the discharge bottle should be set. 1. Open the empty bottle cover at the rear of the printer. 2. Remove the empty developer mixture bottle. 3. Set the empty bottle at developer discharge port [R2b]. 4. Press RESET on the touch screen.
60-61	Developing unit 2 motor rotation alarm	1. Record the displayed error code and message. 2. Press the RESET button to clear the error code. 3. Set the printer to ready. 4. If the problem persists, power the printer off then on. 5. If the problem persists, call for service or advice quoting the error code number and message.
60-71	Developing unit 2 stirring axis rotation alarm	1. Record the displayed error code and message. 2. Press the RESET button to clear the error code. 3. Set the printer to ready. 4. If the problem persists, power the printer off then on. 5. If the problem persists, call for service or advice quoting the error code number and message.
60-72	Developer 2 magnetic roll rotation alarm	1. Record the displayed error code and message. 2. Press the RESET button to clear the error code. 3. Set the printer to ready. 4. If the problem persists, power the printer off then on. 5. If the problem persists, call for service or advice quoting the error code number and message.
62-24	Toner 1 density too high	1. Record the displayed error code and message. 2. Press the RESET button to clear the error code. 3. Set the printer to ready. 4. If the problem persists, power the printer off then on. 5. If the problem persists, call for service or advice quoting the error code number and message.

Code	Display Message	Procedure
62-25	Toner 1 density too low	1. Record the displayed error code and message. 2. Press the RESET button to clear the error code. 3. Set the printer to ready. 4. If the problem persists, power the printer off then on. 5. If the problem persists, call for service or advice quoting the error code number and message.
62-54	Toner 2 density too high	1. Record the displayed error code and message. 2. Press the RESET button to clear the error code. 3. Set the printer to ready. 4. If the problem persists, power the printer off then on. 5. If the problem persists, call for service or advice quoting the error code number and message.
62-55	Toner 2 density too low	1. Record the displayed error code and message. 2. Press the RESET button to clear the error code. 3. Set the printer to ready. 4. If the problem persists, power the printer off then on. 5. If the problem persists, call for service or advice quoting the error code number and message.
64-23	Toner 1 density sensor alarm	1. Record the displayed error code and message. 2. Press the RESET button to clear the error code. 3. Set the printer to ready. 4. If the problem persists, power the printer off then on. 5. If the problem persists, call for service or advice quoting the error code number and message.
64-53	Toner 2 density sensor alarm	1. Record the displayed error code and message. 2. Press the RESET button to clear the error code. 3. Set the printer to ready. 4. If the problem persists, power the printer off then on. 5. If the problem persists, call for service or advice quoting the error code number and message.
65-40	Cleaner brush 1 rotation alarm	Cleaner brush A is not rotating normally. 1. Press RESET on the touch screen and then set the printer to ready. 2. If the error persists, replace cleaner brush A (see "Replacing kit A[R3a]" on page 8-18). 3. If the error still persists, call for service.
65-70	Cleaner brush 2 rotation alarm	Cleaner brush B is not rotating normally. 1. Press RESET on the touch screen and then set the printer to ready. 2. If the error persists, replace cleaner brush B (see "Replacing kit B[R3b]" on page 8-21). 3. If the error still persists, call for service.
66-35	Pre-transfer 1 discharging LED alarm	1. Record the displayed error code and message. 2. Press the RESET button to clear the error code. 3. Set the printer to ready. 4. If the problem persists, power the printer off then on. 5. If the problem persists, call for service or advice quoting the error code number and message.

Code	Display Message	Procedure
66-36	After-cleaner 1 discharging LED alarm	1. Record the displayed error code and message. 2. Press the RESET button to clear the error code. 3. Set the printer to ready. 4. If the problem persists, power the printer off then on. 5. If the problem persists, call for service or advice quoting the error code number and message.
66-65	Pre-transfer 2 discharging LED alarm	1. Record the displayed error code and message. 2. Press the RESET button to clear the error code. 3. Set the printer to ready. 4. If the problem persists, power the printer off then on. 5. If the problem persists, call for service or advice quoting the error code number and message.
66-66	After-cleaner 2 discharging LED alarm	1. Record the displayed error code and message. 2. Press the RESET button to clear the error code. 3. Set the printer to ready. 4. If the problem persists, power the printer off then on. 5. If the problem persists, call for service or advice quoting the error code number and message.
68-30	Drum 1 motor alarm	1. Record the displayed error code and message. 2. Press the RESET button to clear the error code. 3. Set the printer to ready. 4. If the problem persists, power the printer off then on. 5. If the problem persists, call for service or advice quoting the error code number and message.
68-60	Drum 2 motor alarm	1. Record the displayed error code and message. 2. Press the RESET button to clear the error code. 3. Set the printer to ready. 4. If the problem persists, power the printer off then on. 5. If the problem persists, call for service or advice quoting the error code number and message.
6A-01	Internal door open	The internal door was open when the printer was set to ready. 1. Close the internal door of the printer. 2. Close the left and right printer doors. 3. Press RESET on the touch screen and then set the printer to ready.
6A-02	Internal door open (during printing or emergency stop)	The internal door was opened during printing. 1. Close the internal door of the printer. 2. Close the left and right printer doors. 3. Press RESET on the touch screen, to align the paper correctly. 4. Press FORWARD/REVERSE on the autoload panel to match the perforation number. 5. Press FOLD-OUT/-IN on the autoload panel to select the correct paper fold. 6. Press RESET on the touch screen and then set the printer to ready.

Code	Display Message	Procedure
6C-43	Toner 1 supply axis rotation alarm	1. Record the displayed error code and message. 2. Press the RESET button to clear the error code. 3. Set the printer to ready. 4. If the problem persists, power the printer off then on. 5. If the problem persists, call for service or advice quoting the error code number and message.
6C-44	Toner 1 stirring axis rotation alarm	1. Record the displayed error code and message. 2. Press the RESET button to clear the error code. 3. Set the printer to ready. 4. If the problem persists, power the printer off then on. 5. If the problem persists, call for service or advice quoting the error code number and message.
6C-73	Toner 2 supply axis rotation alarm	1. Record the displayed error code and message. 2. Press the RESET button to clear the error code. 3. Set the printer to ready. 4. If the problem persists, power the printer off then on. 5. If the problem persists, call for service or advice quoting the error code number and message.
6C-74	Toner 2 stirring axis rotation alarm	1. Record the displayed error code and message. 2. Press the RESET button to clear the error code. 3. Set the printer to ready. 4. If the problem persists, power the printer off then on. 5. If the problem persists, call for service or advice quoting the error code number and message.
6E-48	Transfer wire 1 cleaning time-out	1. Record the displayed error code and message. 2. Press the RESET button to clear the error code. 3. Set the printer to ready. 4. If the problem persists, power the printer off then on. 5. If the problem persists, call for service or advice quoting the error code number and message.
6E-49	Pre-charger wire 1 cleaning time-out	1. Record the displayed error code and message. 2. Press the RESET button to clear the error code. 3. Set the printer to ready. 4. If the problem persists, power the printer off then on. 5. If the problem persists, call for service or advice quoting the error code number and message.
6E-78	Transfer wire 2 cleaning time-out	1. Record the displayed error code and message. 2. Press the RESET button to clear the error code. 3. Set the printer to ready. 4. If the problem persists, power the printer off then on. 5. If the problem persists, call for service or advice quoting the error code number and message.
6E-79	Pre-charger wire 2 cleaning time-out	1. Record the displayed error code and message. 2. Press the RESET button to clear the error code. 3. Set the printer to ready. 4. If the problem persists, power the printer off then on. 5. If the problem persists, call for service or advice quoting the error code number and message.

Code	Display Message	Procedure
6F-E0	Heater temperature too high	1. Record the displayed error code and message. 2. Press the RESET button to clear the error code. 3. Set the printer to ready. 4. If the problem persists, power the printer off then on. 5. If the problem persists, call for service or advice quoting the error code number and message.
6F-E1	Heater temperature too low	1. Record the displayed error code and message. 2. Press the RESET button to clear the error code. 3. Set the printer to ready. 4. If the problem persists, power the printer off then on. 5. If the problem persists, call for service or advice quoting the error code number and message.
6F-E2	Heater temperature sensor disconnection	1. Record the displayed error code and message. 2. Press the RESET button to clear the error code. 3. Set the printer to ready. 4. If the problem persists, power the printer off then on. 5. If the problem persists, call for service or advice quoting the error code number and message.
76-33	LED array 1 temperature alarm 1	1. Record the displayed error code and message. 2. Press the RESET button to clear the error code. 3. Set the printer to ready. 4. If the problem persists, power the printer off then on. 5. If the problem persists, call for service or advice quoting the error code number and message.
76-34	LED array 1 temperature alarm 2	1. Record the displayed error code and message. 2. Press the RESET button to clear the error code. 3. Set the printer to ready. 4. If the problem persists, power the printer off then on. 5. If the problem persists, call for service or advice quoting the error code number and message.
76-63	LED array 2 temperature alarm 1	1. Record the displayed error code and message. 2. Press the RESET button to clear the error code. 3. Set the printer to ready. 4. If the problem persists, power the printer off then on. 5. If the problem persists, call for service or advice quoting the error code number and message.
76-64	LED array 2 temperature alarm 2	1. Record the displayed error code and message. 2. Press the RESET button to clear the error code. 3. Set the printer to ready. 4. If the problem persists, power the printer off then on. 5. If the problem persists, call for service or advice quoting the error code number and message.
7D-17	Motor driver board alarm	1. Record the displayed error code and message. 2. Press the RESET button to clear the error code. 3. Set the printer to ready. 4. If the problem persists, power the printer off then on. 5. If the problem persists, call for service or advice quoting the error code number and message.

Code	Display Message	Procedure
7D-4F	Process board 1 alarm	1. Record the displayed error code and message. 2. Press the RESET button to clear the error code. 3. Set the printer to ready. 4. If the problem persists, power the printer off then on. 5. If the problem persists, call for service or advice quoting the error code number and message.
7D-7F	Process board 2 alarm	1. Record the displayed error code and message. 2. Press the RESET button to clear the error code. 3. Set the printer to ready. 4. If the problem persists, power the printer off then on. 5. If the problem persists, call for service or advice quoting the error code number and message.
7D-9F	Sensor cable overcurrent	1. Record the displayed error code and message. 2. Press the RESET button to clear the error code. 3. Set the printer to ready. 4. If the problem persists, power the printer off then on. 5. If the problem persists, call for service or advice quoting the error code number and message.
8C-01	Mechanical controller RAM error	1. Record the displayed error code and message. 2. Press the RESET button to clear the error code. 3. Set the printer to ready. 4. If the problem persists, power the printer off then on. 5. If the problem persists, call for service or advice quoting the error code number and message.
8C-02	Dual-port RAM error	1. Record the displayed error code and message. 2. Press the RESET button to clear the error code. 3. Set the printer to ready. 4. If the problem persists, power the printer off then on. 5. If the problem persists, call for service or advice quoting the error code number and message.
8C-C0	Adapter board command error	1. Record the displayed error code and message. 2. Press the RESET button to clear the error code. 3. Set the printer to ready. 4. If the problem persists, power the printer off then on. 5. If the problem persists, call for service or advice quoting the error code number and message.
8C-C4	Adapter board memory error	1. Record the displayed error code and message. 2. Press the RESET button to clear the error code. 3. Set the printer to ready. 4. If the problem persists, power the printer off then on. 5. If the problem persists, call for service or advice quoting the error code number and message.
8C-C6	Adapter board interface error	1. Record the displayed error code and message. 2. Press the RESET button to clear the error code. 3. Set the printer to ready. 4. If the problem persists, power the printer off then on. 5. If the problem persists, call for service or advice quoting the error code number and message.

Code	Display Message	Procedure
8D-B0	Video data parity error 1	1. Record the displayed error code and message. 2. Press the RESET button to clear the error code. 3. Set the printer to ready. 4. If the problem persists, power the printer off then on. 5. If the problem persists, call for service or advice quoting the error code number and message.
8D-B1	Video data empty 1	1. Record the displayed error code and message. 2. Press the RESET button to clear the error code. 3. Set the printer to ready. 4. If the problem persists, power the printer off then on. 5. If the problem persists, call for service or advice quoting the error code number and message.
8D-B2	Video data overrun 1	1. Record the displayed error code and message. 2. Press the RESET button to clear the error code. 3. Set the printer to ready. 4. If the problem persists, power the printer off then on. 5. If the problem persists, call for service or advice quoting the error code number and message.
8D-B3	Video data remnant	1. Record the displayed error code and message. 2. Press the RESET button to clear the error code. 3. Set the printer to ready. 4. If the problem persists, power the printer off then on. 5. If the problem persists, call for service or advice quoting the error code number and message.
8D-B4	Video buffer error on first page	1. Record the displayed error code and message. 2. Press the RESET button to clear the error code. 3. Set the printer to ready. 4. If the problem persists, power the printer off then on. 5. If the problem persists, call for service or advice quoting the error code number and message.
8D-B7	Non-volatile RAM error	1. Record the displayed error code and message. 2. Press the RESET button to clear the error code. 3. Set the printer to ready. 4. If the problem persists, power the printer off then on. 5. If the problem persists, call for service or advice quoting the error code number and message.
8D-B8	Video data parity error 2	1. Record the displayed error code and message. 2. Press the RESET button to clear the error code. 3. Set the printer to ready. 4. If the problem persists, power the printer off then on. 5. If the problem persists, call for service or advice quoting the error code number and message.
8D-B9	Video data empty 2	1. Record the displayed error code and message. 2. Press the RESET button to clear the error code. 3. Set the printer to ready. 4. If the problem persists, power the printer off then on. 5. If the problem persists, call for service or advice quoting the error code number and message.

Code	Display Message	Procedure
8D-BA	Video data overrun 2	1. Record the displayed error code and message. 2. Press the RESET button to clear the error code. 3. Set the printer to ready. 4. If the problem persists, power the printer off then on. 5. If the problem persists, call for service or advice quoting the error code number and message.
8D-BB	Video buffer data remnant	1. Record the displayed error code and message. 2. Press the RESET button to clear the error code. 3. Set the printer to ready. 4. If the problem persists, power the printer off then on. 5. If the problem persists, call for service or advice quoting the error code number and message.
8D-BC	Video buffer error on first page	1. Record the displayed error code and message. 2. Press the RESET button to clear the error code. 3. Set the printer to ready. 4. If the problem persists, power the printer off then on. 5. If the problem persists, call for service or advice quoting the error code number and message.
8D-BD	Video buffer parity error	1. Record the displayed error code and message. 2. Press the RESET button to clear the error code. 3. Set the printer to ready. 4. If the problem persists, power the printer off then on. 5. If the problem persists, call for service or advice quoting the error code number and message.
90-21	Grid 1 voltage too high	1. Record the displayed error code and message. 2. Press the RESET button to clear the error code. 3. Set the printer to ready. 4. If the problem persists, power the printer off then on. 5. If the problem persists, call for service or advice quoting the error code number and message.
90-22	Grid 1 voltage too low	1. Record the displayed error code and message. 2. Press the RESET button to clear the error code. 3. Set the printer to ready. 4. If the problem persists, power the printer off then on. 5. If the problem persists, call for service or advice quoting the error code number and message.
90-38	Pre-charger 1 alarm	1. Record the displayed error code and message. 2. Press the RESET button to clear the error code. 3. Set the printer to ready. 4. If the problem persists, power the printer off then on. 5. If the problem persists, call for service or advice quoting the error code number and message.
90-51	Grid 2 voltage too high	1. Record the displayed error code and message. 2. Press the RESET button to clear the error code. 3. Set the printer to ready. 4. If the problem persists, power the printer off then on. 5. If the problem persists, call for service or advice quoting the error code number and message.

Code	Display Message	Procedure
90-52	Grid 2 voltage too low	1. Record the displayed error code and message. 2. Press the RESET button to clear the error code. 3. Set the printer to ready. 4. If the problem persists, power the printer off then on. 5. If the problem persists, call for service or advice quoting the error code number and message.
90-68	Pre-charger 2 alarm	1. Record the displayed error code and message. 2. Press the RESET button to clear the error code. 3. Set the printer to ready. 4. If the problem persists, power the printer off then on. 5. If the problem persists, call for service or advice quoting the error code number and message.
91-3A	Transfer charger 1 alarm	1. Record the displayed error code and message. 2. Press the RESET button to clear the error code. 3. Set the printer to ready. 4. If the problem persists, power the printer off then on. 5. If the problem persists, call for service or advice quoting the error code number and message.
91-6A	Transfer charger 2 alarm	1. Record the displayed error code and message. 2. Press the RESET button to clear the error code. 3. Set the printer to ready. 4. If the problem persists, power the printer off then on. 5. If the problem persists, call for service or advice quoting the error code number and message.
93-3B	Separation charger 1 alarm	1. Record the displayed error code and message. 2. Press the RESET button to clear the error code. 3. Set the printer to ready. 4. If the problem persists, power the printer off then on. 5. If the problem persists, call for service or advice quoting the error code number and message.
93-6B	Separation charger 2 alarm	1. Record the displayed error code and message. 2. Press the RESET button to clear the error code. 3. Set the printer to ready. 4. If the problem persists, power the printer off then on. 5. If the problem persists, call for service or advice quoting the error code number and message.
94-39	Developing bias 1 alarm	1. Record the displayed error code and message. 2. Press the RESET button to clear the error code. 3. Set the printer to ready. 4. If the problem persists, power the printer off then on. 5. If the problem persists, call for service or advice quoting the error code number and message.
94-69	Developing bias 2 alarm	1. Record the displayed error code and message. 2. Press the RESET button to clear the error code. 3. Set the printer to ready. 4. If the problem persists, power the printer off then on. 5. If the problem persists, call for service or advice quoting the error code number and message.

Code	Display Message	Procedure
95-20	Surface potential 1 alarm	1. Record the displayed error code and message. 2. Press the RESET button to clear the error code. 3. Set the printer to ready. 4. If the problem persists, power the printer off then on. 5. If the problem persists, call for service or advice quoting the error code number and message.
95-50	Surface potential 2 alarm	1. Record the displayed error code and message. 2. Press the RESET button to clear the error code. 3. Set the printer to ready. 4. If the problem persists, power the printer off then on. 5. If the problem persists, call for service or advice quoting the error code number and message.
95-AC	Guide roller charger alarm	1. Record the displayed error code and message. 2. Press the RESET button to clear the error code. 3. Set the printer to ready. 4. If the problem persists, power the printer off then on. 5. If the problem persists, call for service or advice quoting the error code number and message.
95-AD	Fold-back roller charger alarm	1. Record the displayed error code and message. 2. Press the RESET button to clear the error code. 3. Set the printer to ready. 4. If the problem persists, power the printer off then on. 5. If the problem persists, call for service or advice quoting the error code number and message.
95-AE	Pre-charger alarm 1	1. Record the displayed error code and message. 2. Press the RESET button to clear the error code. 3. Set the printer to ready. 4. If the problem persists, power the printer off then on. 5. If the problem persists, call for service or advice quoting the error code number and message.
95-AF	Pre-charger alarm 2	1. Record the displayed error code and message. 2. Press the RESET button to clear the error code. 3. Set the printer to ready. 4. If the problem persists, power the printer off then on. 5. If the problem persists, call for service or advice quoting the error code number and message.
A1-90	Smoke blower inverter alarm	1. Record the displayed error code and message. 2. Press the RESET button to clear the error code. 3. Set the printer to ready. 4. If the problem persists, power the printer off then on. 5. If the problem persists, call for service or advice quoting the error code number and message.
A1-97	Smoke blower rotation alarm	1. Record the displayed error code and message. 2. Press the RESET button to clear the error code. 3. Set the printer to ready. 4. If the problem persists, power the printer off then on. 5. If the problem persists, call for service or advice quoting the error code number and message.

Code	Display Message	Procedure
A2-91	Fuser cooling fan 1 circuit breaker alarm	1. Record the displayed error code and message. 2. Press the RESET button to clear the error code. 3. Set the printer to ready. 4. If the problem persists, power the printer off then on. 5. If the problem persists, call for service or advice quoting the error code number and message.
A2-92	Fuser cooling fan 2 circuit breaker alarm	1. Record the displayed error code and message. 2. Press the RESET button to clear the error code. 3. Set the printer to ready. 4. If the problem persists, power the printer off then on. 5. If the problem persists, call for service or advice quoting the error code number and message.
A3-A0	Form length setting motor time-out	1. Record the displayed error code and message. 2. Press the RESET button to clear the error code. 3. Set the printer to ready. 4. If the problem persists, power the printer off then on. 5. If the problem persists, call for service or advice quoting the error code number and message.
A3-A1	Swing guide time-out	1. Record the displayed error code and message. 2. Press the RESET button to clear the error code. 3. Set the printer to ready. 4. If the problem persists, power the printer off then on. 5. If the problem persists, call for service or advice quoting the error code number and message.
A3-A2	Stacker table time-out	1. Record the displayed error code and message. 2. Press the RESET button to clear the error code. 3. Set the printer to ready. 4. If the problem persists, power the printer off then on. 5. If the problem persists, call for service or advice quoting the error code number and message.
A3-A3	Stacker table motor alarm	1. Record the displayed error code and message. 2. Press the RESET button to clear the error code. 3. Set the printer to ready. 4. If the problem persists, power the printer off then on. 5. If the problem persists, call for service or advice quoting the error code number and message.
A3-A4	Stacker upper/lower limit alarm	1. Record the displayed error code and message. 2. Press the RESET button to clear the error code. 3. Set the printer to ready. 4. If the problem persists, power the printer off then on. 5. If the problem persists, call for service or advice quoting the error code number and message.
AF-82	Transfer ozone fan 1 alarm	1. Record the displayed error code and message. 2. Press the RESET button to clear the error code. 3. Set the printer to ready. 4. If the problem persists, power the printer off then on. 5. If the problem persists, call for service or advice quoting the error code number and message.

Code	Display Message	Procedure
AF-83	Pre-charger ozone fan 1 alarm	1. Record the displayed error code and message. 2. Press the RESET button to clear the error code. 3. Set the printer to ready. 4. If the problem persists, power the printer off then on. 5. If the problem persists, call for service or advice quoting the error code number and message.
AF-84	Choke coil cooling fan alarm	1. Record the displayed error code and message. 2. Press the RESET button to clear the error code. 3. Set the printer to ready. 4. If the problem persists, power the printer off then on. 5. If the problem persists, call for service or advice quoting the error code number and message.
AF-85	Driver cooling fan 1 alarm	1. Record the displayed error code and message. 2. Press the RESET button to clear the error code. 3. Set the printer to ready. 4. If the problem persists, power the printer off then on. 5. If the problem persists, call for service or advice quoting the error code number and message.
AF-86	Driver cooling fan 2 alarm	1. Record the displayed error code and message. 2. Press the RESET button to clear the error code. 3. Set the printer to ready. 4. If the problem persists, power the printer off then on. 5. If the problem persists, call for service or advice quoting the error code number and message.
AF-88	Mechanical unit 2 cooling fan alarm	1. Record the displayed error code and message. 2. Press the RESET button to clear the error code. 3. Set the printer to ready. 4. If the problem persists, power the printer off then on. 5. If the problem persists, call for service or advice quoting the error code number and message.
AF-8A	Transfer ozone fan 2 alarm	1. Record the displayed error code and message. 2. Press the RESET button to clear the error code. 3. Set the printer to ready. 4. If the problem persists, power the printer off then on. 5. If the problem persists, call for service or advice quoting the error code number and message.
AF-8B	Pre-charger ozone fan 2 alarm	1. Record the displayed error code and message. 2. Press the RESET button to clear the error code. 3. Set the printer to ready. 4. If the problem persists, power the printer off then on. 5. If the problem persists, call for service or advice quoting the error code number and message.
B0-02	Command not allowed	1. Record the displayed error code and message. 2. Press the RESET button to clear the error code. 3. Set the printer to ready. 4. If the problem persists, power the printer off then on. 5. If the problem persists, call for service or advice quoting the error code number and message.

Code	Display Message	Procedure
B0-03	Parameter not allowed	1. Record the displayed error code and message. 2. Press the RESET button to clear the error code. 3. Set the printer to ready. 4. If the problem persists, power the printer off then on. 5. If the problem persists, call for service or advice quoting the error code number and message.
B0-04	Command sequence error	1. Record the displayed error code and message. 2. Press the RESET button to clear the error code. 3. Set the printer to ready. 4. If the problem persists, power the printer off then on. 5. If the problem persists, call for service or advice quoting the error code number and message.
B0-05	Command rejected	1. Record the displayed error code and message. 2. Press the RESET button to clear the error code. 3. Set the printer to ready. 4. If the problem persists, power the printer off then on. 5. If the problem persists, call for service or advice quoting the error code number and message.
C0-00	Controller data parity error	1. Record the displayed error code and message. 2. Press the RESET button to clear the error code. 3. Set the printer to ready. 4. If the problem persists, power the printer off then on. 5. If the problem persists, call for service or advice quoting the error code number and message.
C0-01	Controller address parity error	1. Record the displayed error code and message. 2. Press the RESET button to clear the error code. 3. Set the printer to ready. 4. If the problem persists, power the printer off then on. 5. If the problem persists, call for service or advice quoting the error code number and message.
C0-02	IOT parity error	1. Record the displayed error code and message. 2. Press the RESET button to clear the error code. 3. Set the printer to ready. 4. If the problem persists, power the printer off then on. 5. If the problem persists, call for service or advice quoting the error code number and message.
C0-03	IOT DACK time-out	1. Record the displayed error code and message. 2. Press the RESET button to clear the error code. 3. Set the printer to ready. 4. If the problem persists, power the printer off then on. 5. If the problem persists, call for service or advice quoting the error code number and message.
C0-04	Bad pre-conditions	1. Record the displayed error code and message. 2. Press the RESET button to clear the error code. 3. Set the printer to ready. 4. If the problem persists, power the printer off then on. 5. If the problem persists, call for service or advice quoting the error code number and message.

Code	Display Message	Procedure
C0-05	NPLi temperature alarm	1. Record the displayed error code and message. 2. Press the RESET button to clear the error code. 3. Set the printer to ready. 4. If the problem persists, power the printer off then on. 5. If the problem persists, call for service or advice quoting the error code number and message.
C0-06	PCU temperature alarm	1. Record the displayed error code and message. 2. Press the RESET button to clear the error code. 3. Set the printer to ready. 4. If the problem persists, power the printer off then on. 5. If the problem persists, call for service or advice quoting the error code number and message.
C0-07	Obsolete NLPi driver version	1. Record the displayed error code and message. 2. Press the RESET button to clear the error code. 3. Set the printer to ready. 4. If the problem persists, power the printer off then on. 5. If the problem persists, call for service or advice quoting the error code number and message.
C0-08	Obsolete NLPi micro-code version	1. Record the displayed error code and message. 2. Press the RESET button to clear the error code. 3. Set the printer to ready. 4. If the problem persists, power the printer off then on. 5. If the problem persists, call for service or advice quoting the error code number and message.
C0-09	Obsolete NLPi hardware revision	1. Record the displayed error code and message. 2. Press the RESET button to clear the error code. 3. Set the printer to ready. 4. If the problem persists, power the printer off then on. 5. If the problem persists, call for service or advice quoting the error code number and message.
C0-0A	Obsolete NLPi VHDL version	1. Record the displayed error code and message. 2. Press the RESET button to clear the error code. 3. Set the printer to ready. 4. If the problem persists, power the printer off then on. 5. If the problem persists, call for service or advice quoting the error code number and message.
C0-0B	Obsolete PCU hardware revision	1. Record the displayed error code and message. 2. Press the RESET button to clear the error code. 3. Set the printer to ready. 4. If the problem persists, power the printer off then on. 5. If the problem persists, call for service or advice quoting the error code number and message.
C0-0C	Obsolete PCU micro-code version	1. Record the displayed error code and message. 2. Press the RESET button to clear the error code. 3. Set the printer to ready. 4. If the problem persists, power the printer off then on. 5. If the problem persists, call for service or advice quoting the error code number and message.

Code	Display Message	Procedure
C0-0D	CME time-out	1. Record the displayed error code and message. 2. Press the RESET button to clear the error code. 3. Set the printer to ready. 4. If the problem persists, power the printer off then on. 5. If the problem persists, call for service or advice quoting the error code number and message.
C0-0E	IOT read command time-out	1. Record the displayed error code and message. 2. Press the RESET button to clear the error code. 3. Set the printer to ready. 4. If the problem persists, power the printer off then on. 5. If the problem persists, call for service or advice quoting the error code number and message.
C0-20	Hardware error (APEX chip)	1. Record the displayed error code and message. 2. Press the RESET button to clear the error code. 3. Set the printer to ready. 4. If the problem persists, power the printer off then on. 5. If the problem persists, call for service or advice quoting the error code number and message.
C0-21	Hardware error (temperature sensor chip)	1. Record the displayed error code and message. 2. Press the RESET button to clear the error code. 3. Set the printer to ready. 4. If the problem persists, power the printer off then on. 5. If the problem persists, call for service or advice quoting the error code number and message.
C0-22	Hardware error (CAN bus#1)	1. Record the displayed error code and message. 2. Press the RESET button to clear the error code. 3. Set the printer to ready. 4. If the problem persists, power the printer off then on. 5. If the problem persists, call for service or advice quoting the error code number and message.
C0-23	Hardware error (CAN bus#2)	1. Record the displayed error code and message. 2. Press the RESET button to clear the error code. 3. Set the printer to ready. 4. If the problem persists, power the printer off then on. 5. If the problem persists, call for service or advice quoting the error code number and message.
C0-24	Hardware error (PCU board)	1. Record the displayed error code and message. 2. Press the RESET button to clear the error code. 3. Set the printer to ready. 4. If the problem persists, power the printer off then on. 5. If the problem persists, call for service or advice quoting the error code number and message.
C0-25	Hardware error (ST10Fxxx chip)	1. Record the displayed error code and message. 2. Press the RESET button to clear the error code. 3. Set the printer to ready. 4. If the problem persists, power the printer off then on. 5. If the problem persists, call for service or advice quoting the error code number and message.

Code	Display Message	Procedure
C0-26	Hardware error (IOT power)	1. Record the displayed error code and message. 2. Press the RESET button to clear the error code. 3. Set the printer to ready. 4. If the problem persists, power the printer off then on. 5. If the problem persists, call for service or advice quoting the error code number and message.
C0-27	Hardware error (diagnostic)	1. Record the displayed error code and message. 2. Press the RESET button to clear the error code. 3. Set the printer to ready. 4. If the problem persists, power the printer off then on. 5. If the problem persists, call for service or advice quoting the error code number and message.
C0-40	Multiple hardware errors	1. Record the displayed error code and message. 2. Press the RESET button to clear the error code. 3. Set the printer to ready. 4. If the problem persists, power the printer off then on. 5. If the problem persists, call for service or advice quoting the error code number and message.
C2-00	Auxiliary command cannot be submitted to NLPi board	1. Record the displayed error code and message. 2. Press the RESET button to clear the error code. 3. Set the printer to ready. 4. If the problem persists, power the printer off then on. 5. If the problem persists, call for service or advice quoting the error code number and message.
C2-01	NLPi board command time-out	1. Record the displayed error code and message. 2. Press the RESET button to clear the error code. 3. Set the printer to ready. 4. If the problem persists, power the printer off then on. 5. If the problem persists, call for service or advice quoting the error code number and message.
C2-20	CAN1 transmission error	1. Record the displayed error code and message. 2. Press the RESET button to clear the error code. 3. Set the printer to ready. 4. If the problem persists, power the printer off then on. 5. If the problem persists, call for service or advice quoting the error code number and message.
C2-21	CAN1 receipt error	1. Record the displayed error code and message. 2. Press the RESET button to clear the error code. 3. Set the printer to ready. 4. If the problem persists, power the printer off then on. 5. If the problem persists, call for service or advice quoting the error code number and message.
C2-22	PCU error	1. Record the displayed error code and message. 2. Press the RESET button to clear the error code. 3. Set the printer to ready. 4. If the problem persists, power the printer off then on. 5. If the problem persists, call for service or advice quoting the error code number and message.

Code	Display Message	Procedure
C2-23	Illegal transaction code	1. Record the displayed error code and message. 2. Press the RESET button to clear the error code. 3. Set the printer to ready. 4. If the problem persists, power the printer off then on. 5. If the problem persists, call for service or advice quoting the error code number and message.
C2-24	Illegal transaction parameter	1. Record the displayed error code and message. 2. Press the RESET button to clear the error code. 3. Set the printer to ready. 4. If the problem persists, power the printer off then on. 5. If the problem persists, call for service or advice quoting the error code number and message.
C2-25	No response from PCU board	1. Record the displayed error code and message. 2. Press the RESET button to clear the error code. 3. Set the printer to ready. 4. If the problem persists, power the printer off then on. 5. If the problem persists, call for service or advice quoting the error code number and message.
C2-26	Transaction protocol error	1. Record the displayed error code and message. 2. Press the RESET button to clear the error code. 3. Set the printer to ready. 4. If the problem persists, power the printer off then on. 5. If the problem persists, call for service or advice quoting the error code number and message.

System error codes

These error codes may be generated by software problems. Some problems may be caused because you have made a wrong configuration selection. Check the error, if it is a configuration problem, resolve that problem by changing the selection appropriately. If it is a system or software problem, power the printer off then on (see "Switching the printer on and off" on page 3-2) and if the problem persists, call for service or advice.

Code	Display Message	Procedure
F0-06	Invalid parameter	1. Select the Definitions tab on the touch screen and modify the parameter, according to the upper/lower limits allowed. 2. Press RESET on the touch screen and then set the printer to ready.
F0-17	Invalid parameter size	1. Select the Definitions tab on the touch screen and modify the parameter size, according to the upper/lower limits allowed. 2. Press RESET on the touch screen and then set the printer to ready.

Code	Display Message	Procedure
F0-61	Undefined device type	1. Select the Definitions tab, the Line tab, then the Device tab on the touch screen. 2. Choose a device from the Device pull-down list. 3. Choose a device type from the Device Type pull-down list. 4. Press the Save button to save the current line definition. 5. Press the OK button on the Save screen. 6. Press RESET on the touch screen and then set the printer to ready.
F0-62	Undefined device	1. Select the Definitions tab, the Line tab, then the Device tab on the touch screen. 2. Choose a device from the Device pull-down list. 3. Choose a device type from the Device Type pull-down list. 4. Press the Save button to save the current line definition. 5. Press the OK button on the Save screen. 6. Press RESET on the touch screen and then set the printer to ready.
F0-6A	Device unknown or already in use	1. Select the Definitions tab, the Line tab, then the Device tab on the touch screen. 2. Choose a device from the Device pull-down list. 3. Choose a device type from the Device Type pull-down list. 4. Press the Save button to save the current line definition. 5. Press the OK button on the Save screen. 6. Press RESET on the touch screen and then set the printer to ready.
F0-6C	Device selection error	1. Select the Definitions tab, the Line tab, then the Device tab on the touch screen. 2. Choose a device from the Device pull-down list. 3. Choose a device type from the Device Type pull-down list. 4. Press the Save button to save the current line definition. 5. Press the OK button on the Save screen. 6. Press RESET on the touch screen and then set the printer to ready.
F0-A6	Invalid IP address	1. Select the Definitions tab, the Attachment tab, then the TCP/IP tab on the touch screen. 2. Press the IP Address field to insert a new address. 3. Use the window keyboard to enter your selection, then press the OK button. 4. Press the Save button to save the current line attachment definition. 5. Press the OK button on the Save screen. 6. Press RESET on the touch screen and then set the printer to ready. 7. Reselect the attachment on the Production tab. 8. Press the online indicator to enable the attachment. 9. Press Yes to confirm that you would like to reboot the Controller.

Code	Display Message	Procedure
F0-A7	Invalid subnet mask	1. Select the Definitions tab, the Attachment tab, then the TCP/IP tab on the touch screen. 2. Press the Subnet Mask field to insert a new mask. 3. Use the window keyboard to enter your selection, then press the OK button. 4. Press the Save button to save the current line attachment definition. 5. Press the OK button on the Save screen. 6. Press RESET on the touch screen and then set the printer to ready. 7. Reselect the attachment on the Production tab. 8. Press the online indicator to enable the attachment. 9. Press Yes to confirm that you would like to reboot the Controller.
F0-A8	Invalid gateway	1. Select the Definitions tab, the Attachment tab, then the TCP/IP tab on the touch screen. 2. Press the Default Gateway field to insert a new gateway. 3. Use the window keyboard to enter your selection, then press the OK button. 4. Press the Save button to save the current line attachment definition. 5. Press the OK button on the Save screen. 6. Press RESET on the touch screen and then set the printer to ready. 7. Reselect the attachment on the Production tab. 8. Press the online indicator to enable the attachment. 9. Press Yes to confirm that you would like to reboot the Controller.
F0-A9	IP address conflict	1. Select the Definitions tab, the Attachment tab, then the TCP/IP tab on the touch screen. 2. Press the IP Address field to insert a new address or leave the default one as it is. 3. To enter a new address, use the window keyboard to enter your selection, then press the OK button. 4. Press the Save button to save the current line attachment definition. 5. Press the OK button on the Save screen. 6. Press RESET on the touch screen and then set the printer to ready. 7. Reselect the attachment on the Production tab. 8. Press the online indicator to enable the attachment. 9. Press Yes to confirm that you would like to reboot the Controller.
F0-AA	Link out of range	1. Select the Definitions tab, the Attachment tab, then the TCP/IP tab on the touch screen. 2. In the Link box, select the appropriate link. Select only the link that is currently indicated as “Present”. 3. Press the Save button to save the current line attachment definition. 4. Press the OK button on the Save screen. 5. Press RESET on the touch screen and then set the printer to ready.

Code	Display Message	Procedure
F0-AB	Link not available	1. Select the Definitions tab, the Attachment tab, then the TCP/IP tab on the touch screen. 2. In the Link box, select the appropriate link. Select only the link that is currently indicated as “Present”. 3. Press the Save button to save the current line attachment definition. 4. Press the OK button on the Save screen. 5. Press RESET on the touch screen and then set the printer to ready.
F1-11	Paper size error	1. Select the Definitions tab, then the Paper tab on the touch screen. 2. Choose the existing paper definition from the Paper pull-down list. 3. Select the Paper Format field. 4. Select the Length/Width field, type in the correct length/width, then select the inch or mm button. 5. Press the OK button to validate. 6. Choose the Paper Thickness setting from the circular list. 7. Press the Save button to save the current paper definition. 8. Press the OK button on the Save screen. 9. Press RESET on the touch screen and then set the printer to ready.
F2-0B	Invalid parameter	1. Select the Definitions tab on the touch screen and modify the parameter, according to the upper/lower limits allowed. 2. Press RESET on the touch screen and then set the printer to ready.
F4-0D	Input attachment error	1. Record the displayed error code and message. 2. Press the RESET button to clear the error code. 3. Set the printer to ready. 4. If the problem persists, power the printer off then on. 5. If the problem persists, call for service or advice quoting the error code number and message.
F4-0E	Unknown attachment type	1. Record the displayed error code and message. 2. Press the RESET button to clear the error code. 3. Set the printer to ready. 4. If the problem persists, power the printer off then on. 5. If the problem persists, call for service or advice quoting the error code number and message.
F4-0F	Invalid emulation	1. Record the displayed error code and message. 2. Press the RESET button to clear the error code. 3. Set the printer to ready. 4. If the problem persists, power the printer off then on. 5. If the problem persists, call for service or advice quoting the error code number and message.
F4-11	Invalid two channel switch	1. Record the displayed error code and message. 2. Press the RESET button to clear the error code. 3. Set the printer to ready. 4. If the problem persists, power the printer off then on. 5. If the problem persists, call for service or advice quoting the error code number and message.

Code	Display Message	Procedure
F4-12	Invalid channel transfer mode	1. Record the displayed error code and message. 2. Press the RESET button to clear the error code. 3. Set the printer to ready. 4. If the problem persists, power the printer off then on. 5. If the problem persists, call for service or advice quoting the error code number and message.
F4-13	Invalid TCP/IP link	1. Select the Definitions tab, the Attachment tab, then the TCP/IP tab on the touch screen. 2. In the Link box, select the appropriate link. Select only the link that is currently indicated as “Present”. 3. Press the Save button to save the current line attachment definition. 4. Press the OK button on the Save screen. 5. Press RESET on the touch screen and then set the printer to ready.
F4-14	Invalid TCP/IP port	1. Select the Definitions tab, the Attachment tab, then the TCP/IP tab on the touch screen. 2. Press the TCP Port field to insert a new port. 3. Use the window keyboard to enter your selection, then press the OK button. 4. Press the Save button to save the current line attachment definition. 5. Press the OK button on the Save screen. 6. Press RESET on the touch screen and then set the printer to ready.
F4-15	Invalid IP address	1. Select the Definitions tab, the Attachment tab, then the TCP/IP tab on the touch screen. 2. Press the IP Address field to insert a new address. 3. Use the window keyboard to enter your selection, then press the OK button. 4. Press the Save button to save the current line attachment definition. 5. Press the OK button on the Save screen. 6. Press RESET on the touch screen and then set the printer to ready. 7. Reselect the attachment on the Production tab. 8. Press the online indicator to enable the attachment. 9. Press Yes to confirm that you would like to reboot the Controller.

Code	Display Message	Procedure
F4-16	Invalid subnet mask	1. Select the Definitions tab, the Attachment tab, then the TCP/IP tab on the touch screen. 2. Press the Subnet Mask field to insert a new mask. 3. Use the window keyboard to enter your selection, then press the OK button. 4. Press the Save button to save the current line attachment definition. 5. Press the OK button on the Save screen. 6. Press RESET on the touch screen and then set the printer to ready. 7. Reselect the attachment on the Production tab. 8. Press the online indicator to enable the attachment. 9. Press Yes to confirm that you would like to reboot the Controller.
F4-17	Invalid gateway	1. Select the Definitions tab, the Attachment tab, then the TCP/IP tab on the touch screen. 2. Press the Default Gateway field to insert a new gateway. 3. Use the window keyboard to enter your selection, then press the OK button. 4. Press the Save button to save the current line attachment definition. 5. Press the OK button on the Save screen. 6. Press RESET on the touch screen and then set the printer to ready. 7. Reselect the attachment on the Production tab. 8. Press the online indicator to enable the attachment. 9. Press Yes to confirm that you would like to reboot the Controller.
F4-18	IP address conflict	1. Select the Definitions tab, the Attachment tab, then the TCP/IP tab on the touch screen. 2. Press the IP Address field to insert a new address or leave the default one as it is. 3. To enter a new address, use the window keyboard to enter your selection, then press the OK button. 4. Press the Save button to save the current line attachment definition. 5. Press the OK button on the Save screen. 6. Press RESET on the touch screen and then set the printer to ready. 7. Reselect the attachment on the Production tab. 8. Press the online indicator to enable the attachment. 9. Press Yes to confirm that you would like to reboot the Controller.
F4-19	Link out of range	1. Select the Definitions tab, the Attachment tab, then the TCP/IP tab on the touch screen. 2. In the Link box, select the appropriate link. Select only the link that is currently indicated as “Present”. 3. Press the Save button to save the current line attachment definition. 4. Press the OK button on the Save screen. 5. Press RESET on the touch screen and then set the printer to ready.

Code	Display Message	Procedure
F4-1A	Link not available	1. Select the Definitions tab, the Attachment tab, then the TCP/IP tab on the touch screen. 2. In the Link box, select the appropriate link. Select only the link that is currently indicated as “Present”. 3. Press the Save button to save the current line attachment definition. 4. Press the OK button on the Save screen. 5. Press RESET on the touch screen and then set the printer to ready.
F4-21	Paper length change not allowed	1. Select the Definitions tab, then the Paper tab on the touch screen. 2. Choose the existing paper definition from the Paper pull-down list. 3. Select the Paper Format field. 4. Select the Length field, type in the correct length, then select the inch or mm button. 5. Press the OK button to validate. 6. Press the Save button to save the current paper definition. 7. Press the OK button on the Save screen. 8. Press RESET on the touch screen and then set the printer to ready.
F4-23	Software 2-Up not allowed	1. Select the Definitions tab, the Application tab, then the 2-Up tab on the touch screen. 2. Choose “None” if you want to print 1-Up or “Hardware” if you want to force a 2-Up print. 3. Press the Save button to save the current application definition. 4. Press the OK button on the Save screen. 5. Press RESET on the touch screen and then set the printer to ready.
F4-24	Software 2-Up requested page not fit	1. Record the displayed error code and message. 2. Press the RESET button to clear the error code. 3. Set the printer to ready. 4. If the problem persists, power the printer off then on. 5. If the problem persists, call for service or advice quoting the error code number and message.
F8-08	Invalid resolution	1. Select the Definitions tab, the Application tab, then the Main tab on the touch screen. 2. Select the required resolution from the Resolution pull-down list. 3. Press the Save button to save the current application definition. 4. Press the OK button on the Save screen. 5. Press RESET on the touch screen and then set the printer to ready.

Code	Display Message	Procedure
F8-0A	Invalid width	1. Select the Definitions tab, then the Paper tab on the touch screen. 2. Choose the existing paper definition from the Paper pull-down list. 3. Select the Paper Format field. 4. Select the Width field, type in the correct width, then select the inch or mm button. 5. Press the OK button to validate. 6. Press the Save button to save the current paper definition. 7. Press the OK button on the Save screen. 8. Press RESET on the touch screen and then set the printer to ready.
F8-0B	Invalid length	1. Select the Definitions tab, then the Paper tab on the touch screen. 2. Choose the existing paper definition from the Paper pull-down list. 3. Select the Paper Format field. 4. Select the Length field, type in the correct length, then select the inch or mm button. 5. Press the OK button to validate. 6. Press the Save button to save the current paper definition. 7. Press the OK button on the Save screen. 8. Press RESET on the touch screen and then set the printer to ready.
F8-0C	Invalid paper size or resolution	1. Select the Definitions tab, then the Paper tab on the touch screen. 2. Choose the existing paper definition from the Paper pull-down list. 3. Verify that the Paper Format and Paper Thickness are correct. 4. Select the Definitions tab, the Application tab, then the Main tab on the touch screen. 5. Verify that the resolution in the Resolution pull-down list is correct. 6. Press RESET on the touch screen and then set the printer to ready.
F8-FA	IOT print mode mismatch	The 'Both sides printing' command has been disabled. 1. Select the Engine tab, then the Print Mode tab, on the touch screen. 2. Check the box beside the 'Both side printing' command. 3. Press RESET on the touch screen and then set the printer to ready.

A. Safety notes

To ensure you operate the equipment safely please read these safety notes carefully before using this product

Your Xerox product and recommended supplies have been designed and tested to meet strict safety requirements. These include safety agency approval, and compliance to established environmental standards. Please read the following instructions carefully before operating the product and refer to them as needed to ensure the continued safe operation of your product.

The safety and environment testing and performance of this product have been verified using Xerox materials only.

WARNING: Any unauthorized alteration, which may include the addition of new functions or connection of external devices, may impact the product certification. Please contact your authorized local dealer or normal Xerox contact for more information

WARNING

This warning alerts you to areas of the product where there are heated surfaces, which should not be touched.

Warning markings

All warning instructions marked on or supplied with the product should be followed.

Warning/Caution

This WARNING/CAUTION alerts users to areas of the product where there is the possibility of personal injury

Warning/Caution

This WARNING/CAUTION alerts users to areas of the product where there are heated surfaces, which should not be touched.

Electrical supply

This product should be operated from the type of electrical supply indicted on the data plate label located on the rear cover of the power supply/transformer provided with the equipment. If you are not sure that your electrical supply meets the requirements, please consult your local power company for advice. The transformer provides 200V ac, 50 Hz, 3 phase as specified on the data plate of your Xerox 495 equipment.

⏚

WARNING: This product must be connected to a protective earth circuit.

Operator accessible areas

This equipment has been designed to provide operator access to safe areas only. Operator access to hazardous areas is restricted using covers or guards, which require a tool to enable removal. Never remove these covers or guards. Please observe all warnings provided in access areas.

Maintenance

Any operator maintenance procedures will be described in the customer documentation supplied with the product. Do not to carry out any maintenance on this product, which is not described in the customer documentation.

Cleaning your product

Before cleaning, please switch off the equipment and turn off the breaker on the distribution panel. Always use materials specifically designated for this product, the use of other materials may result in poor performance and may create a hazardous situation. Do not use aerosol cleaners, they may be explosive and flammable under certain circumstances.

WARNING - Electrical safety information

- Use only power cord supplied with this equipment.
- Improper connection of the equipment-grounding conductor can result in electrical shock.
- Do not place this equipment where people might step on or trip on the power cord.
- Do not place objects on the power cord.
- Do not override or disable electrical or mechanical interlocks.
- Do not obstruct ventilation openings.
- Never push objects of any kind into slots or openings on this equipment
- If any of the following conditions occur, switch off the power to the machine immediately and call your local service representative to correct the problem.
  - The equipment emits unusual noise or odors.
  - The power cord is damaged or frayed.
  - A wall panel circuit breaker, fuse, or other safety device has been tripped.
  - Liquid is spilled into the equipment
  - The equipment is exposed to water.
  - Any part of the equipment is damaged.

Operational safety information

To ensure the continued safe operation of your Xerox equipment, follow these safety guidelines at all times.

Do these:

- Always connect equipment to a correctly grounded supply. If in doubt, have the supply checked by a qualified electrician.
- This equipment must be connected to a protective earth circuit.
- Always follow all warnings and instructions that are marked on or supplied with the equipment.
- Always exercise care when moving or relocating equipment. Please contact your local Xerox Service Department, or your local support organization to arrange relocation of the product to a location outside of your building.
- Always locate the equipment in an area that has adequate ventilation, and room for servicing. See Install guide for minimum dimensions.
- Always use materials and supplies specifically designed for your Xerox equipment. Use of unsuitable materials may result in poor performance.
- Always switch off the power to this equipment before cleaning.
- Ensure the equipment is located on a surface which can withstand a weight of 3000kg.

Do not do these:

- Never attempt any maintenance function that is not specifically described in this documentation.
- Never remove covers or guards that are fastened with screws. There are no operator serviceable areas within these covers.
- Never locate the equipment near a radiator or any other heat source.
- Never push objects of any kind into the ventilation openings.
- Never override or “cheat” any of the electrical or mechanical interlock devices.
- Never dispose of toner or toner containers into an open flame. Dust clouds formed during disposal under these circumstances may result in an explosion.

Maintenance information

Do not attempt any maintenance procedure that is not specifically described in the documentation that is supplied with your copier/printer.

- Do not use aerosol cleaners. The use of cleaners that are not approved may cause poor performance of the equipment, and could create a dangerous condition.
- Use supplies and cleaning materials only as directed in this manual. Keep all of these materials out of the reach of children.
- Do not remove covers or guards that are fastened with screws. There are no parts behind these covers that you can maintain or service.
- Do not perform any maintenance procedures unless you have been trained to do them by an authorized local dealer or unless a procedure is specifically described in the user manuals.

Ozone safety information

This product will produce ozone during normal operation. The ozone produced is heavier than air and is dependent on copy volume. Providing the correct environmental parameters as specified in the Xerox installation procedure will ensure that the concentration levels meet safe limits.

If you need additional information about ozone, please contact your authorized local dealer or Service Provider.

For consumables

Store all consumables in accordance with the instructions given on the package or container.

- Keep all consumables away from the reach of children.
- Never throw toner, toner cartridges or toner containers into an open flame

Product safety certification

This product is certified by the following Agency using the Safety standards listed.

Agency	Standard
Underwriters Laboratories Inc	IEC60950

This product has been manufactured under a registered ISO9001 Quality system.

Regulatory Information

CE Mark

The CE mark applied to this product symbolizes Xerox's declaration of conformity with the following applicable Directives of the European Union as of the dates indicated:

January 1, 1995: Council Directive 72/23/EEC amended by Council directive 93/68/EEC, approximation of the laws of the member states related to low voltage equipment.

January 1, 1996: Council directive 89/336/EEC, approximation of the laws of the member states related to electromagnetic compatibility.

A full declaration of conformity, defining the relevant directives and referenced standards, can be obtained from your Authorized local dealer.

WARNING: In order to allow this equipment to operate in proximity to Industrial Scientific and Medical (ISM) equipment, the external radiation from the ISM equipment may have to be limited or special mitigation measures taken.

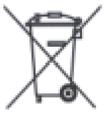
WARNING: Shielded interface cables must be used with this product to maintain compliance with Council Directive 89/336/EEC.

Environmental Compliance

Product Recycling and Disposal

If you are managing the disposal of your Xerox product, please note that the product contains lead, mercury and other materials whose disposal may be regulated due to environmental considerations in certain countries or states. The presence of lead and mercury is fully consistent with global regulations applicable at the time that the product was placed on the market.

European Union



Application of this symbol on your equipment is confirmation that you must dispose of this equipment in compliance with agreed national Procedures.

In accordance with European legislation end of life electrical and electronic equipment subject to disposal must be managed within agreed procedures.

Prior to disposal please contact your local dealer or Xerox representative for end of life take back information.

Other Countries

Please contact your local waste authorities and request disposal guidance.

B. Specifications

This section contains the functional, physical and paper specifications for the Xerox 495 Continuous Feed Duplex Printer.

Basic specifications

The following table lists the basic specifications of this printer.

Item	Specifications
Printing method	Dry electrophotographic printing by LED recording
Printing type	Double-sided simultaneous printing
Printing speed	Linear speed 500 ipm at Letter, portrait/2-up, duplex 16,500 ipm at 6 lpi (duplex) Process speed = 22.9 in/sec
Form	
Type	Continuous forms with sprocket holes (1P)
Size	Width: 165.1 to 457.2 mm (6.5 to 18 inches) Folding length: 177.8 to 355.6 mm (7 to 14 inches) when using the internal stacker. Lengths from 88.9 to 711.2mm (3.5 to 28 inches) when using some post-processing equipment.
Paper weight	(Ream weight: 55 to 135 kg)
Paper feed	Autoloading mechanism 3,000 sheets max (64 g/m2 paper)
Paper ejection	Folding stacker 3,000 sheets max (64 g/m2 paper)
Printing width	Character printing: 419.1 mm (16.5 inches) Format printing: 424.18 mm (16.7 inches)
Non-printing area	Printing not guaranteed within 6.35 mm (1/4 inch) before and after perforations in the paper feed direction and within the valid print area (see "Valid print area (VPA)" on page 7-37).
Connection	TCP/IP or IBM Channel (optional)

Functional specifications

The following table lists the functional specifications of this printer.

Item	Specification
Basic resolution (switchable)	240x240dpi, 300x300 dpi or 600x600dpi
Emulation	IPDS only
Printable area	See "Valid print area (VPA)" on page 7-37 for details
Pre- and post-processing	The printer provides a connector with a standard interface for pre- and post-processing.
Environments	AFP under PSF/MVS, PSF/VM, PSF/VSE, PSF/400, PSF/OS2, PSF/6000, PSF/AIX, IPDS and InfoPrintManager
Options	IBM S/370 parallel channel and /or Two Channel Switch (TCS), extra: IBM S/370 parallel channel ESCON connection via a converter (e.g. IMB 9034). Additional pre-/post-processing through the PLB interface
Patrol lamp	See page 8.
Sound level	70 dBA max.
Ambient temperature	Operating: 59°F to 89.6°F (15°C to 32°C) Non-operating: 32°F to 95°F (0°C to 35°C)
Relative humidity	40 to 70% RH 20 to 80% RH
Maximum wet bulb temperature	78.8°F (26°C) (without condensation)
Recommended dust condition	0.168mg/cubic-meter

Paper Specifications

The following table shows the physical properties required in forms paper used in the Xerox 495 Continuous Feed Duplex Printer;

Item	Specifications
Paper quality	NIP, high-grade, and recycled paper
Paper type	Fanfold continuous forms with sprocket holes (unless feeding from a pre-processing device).
Available paper size	Width: 165.1 to 457.2 mm (6.5 to 18 inches) by no steps
	Length: 177.8 to 355.6 mm (7 to 14 inches) (fanfold) by 4.23 mm (1/6 inch) steps Lengths from 88.9 to 711.2mm (3.5 to 28 inches) when using some post-processing equipment.
Basis weight (ream weight) (*1)	64 to 157 g/m^2 (55 to 135 kg) For labels with backing sheets, the paper basis weight includes the backing sheets.
Moisture	5.5±0.5%
Surface specific resistance	1×10^{9}~$1\times10^{12}\Omega$
Paper carton size	Not higher than 300 mm
Package conditions	Moisture-proof film package or another package of similar effects
Storage conditions	10~30°C, 30~70%RH

C. Principles of Operation

This section describes the operation, the printing functions and the machine configuration of the Xerox 495 Continuous Feed Duplex Printer.

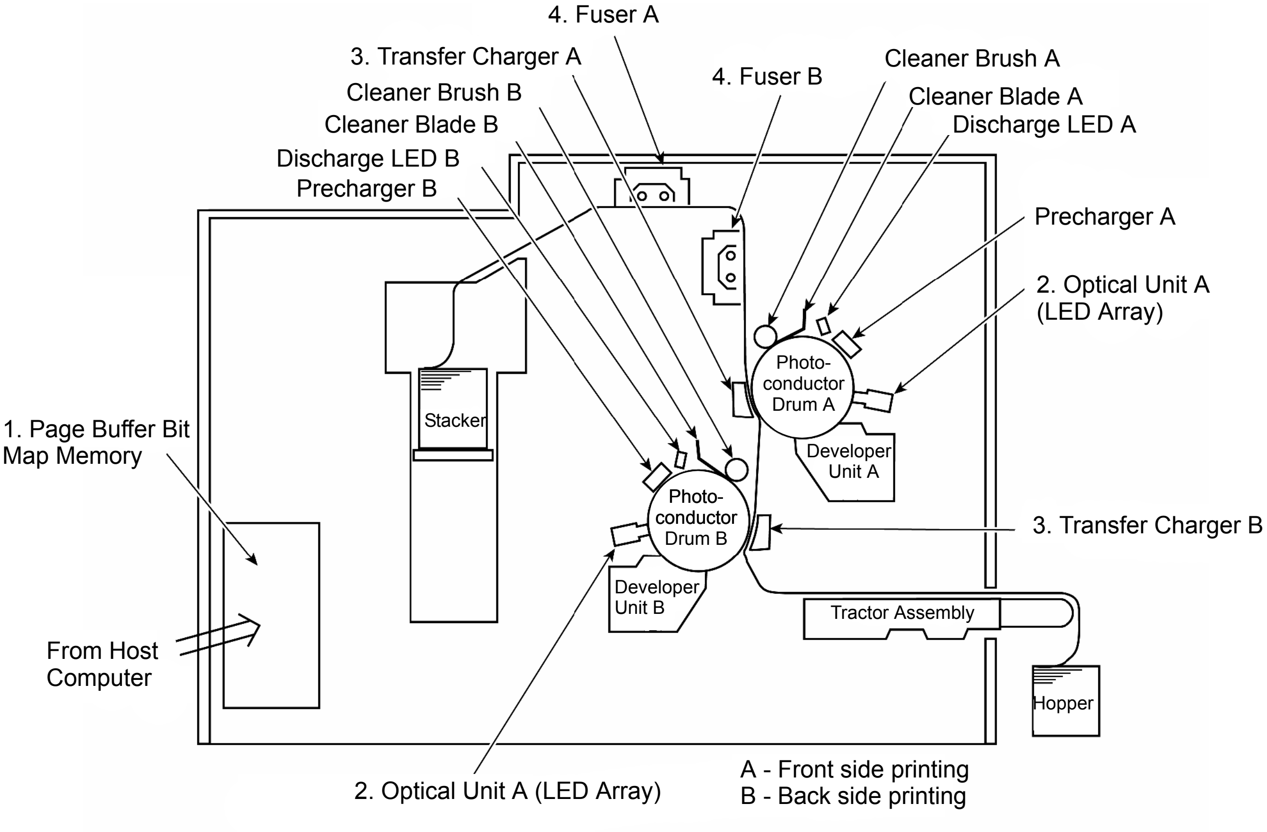
Operation Outline

This section gives an outline of printing by this printer.

The printing operation consists of four cycles for every sheet. These are:

1. Information transfer cycle - the transfer of data from the Host computer to the Page buffer.
2. Recording cycle - the transfer of data from the page buffer to the Photoconductor drum. This cycle places toner on the electrostatic image in preparation for the transfer cycle.
3. Transfer cycle - transferring the image on the Photoconductor drum to the paper.
4. Fusing cycle - fusing the image on the paper.

The following illustration shows the areas where these cycles take place. The numbers represent the cycles shown above.


4. Fuser A
3. Transfer Charger A
Cleaner Brush B
Cleaner Blade B
Discharge LED B
Precharger B
4. Fuser B
Cleaner Brush A
Cleaner Blade A
Discharge LED A
Precharger A
2. Optical Unit A
(LED Array)
1. Page Buffer Bit
Map Memory
Stacker
Photo-
conductor
Drum A
Developer
Unit A
Photo-
conductor
Drum B
Developer
Unit B
3. Transfer Charger B
Tractor Assembly
Hopper
From Host
Computer
2. Optical Unit A (LED Array)
A - Front side printing
B - Back side printing

Information transfer cycle

The information transfer cycle follows the IPDS datastream.

One sheet of data for the front and back sides is transferred sequentially from the host computer to the page buffer in this printer.

Printing data transferred from the host computer is first stored in the intermediate buffer of the printer.

The data stored in the intermediate buffer is processed according to the command. Control characters are interpreted and graphic character codes are converted into internal codes and stored in the intermediate buffer.

When one sheet of data for the front and back sides is stored in the intermediate buffer, the data is extended and one page of printing data is stored in the bit map memory.

This information transfer cycle ends here and the next information transfer cycle starts.

Recording cycle

One sheet of data for the front and back sides is taken out from the bit map memory and the LED records electrostatic character patterns on the photoconductor drum.

The printer starts a recording cycle when one sheet of data for the front and back sides is accumulated in the bit map memory. This cycle outputs one page.

The electrostatic image on the drum is brushed by the developer which applies toner to the image.

When the information transfer cycle for the next pages has been completed in the bit map memory at the end of a recording cycle, the next recording cycle starts immediately.

Transfer cycle

One sheet of information for the front and back sides is transferred from the photoconductor drum to the paper.

Once information recorded on the photoconductor drum by a recording cycle has reached the transfer position, a transfer cycle starts. If a recording cycle is executed continuously for two pages or more, the transfer cycle is also executed continuously.

If the recording cycle is interrupted, the paper feed pauses in the transfer cycle (the paper is separated from the photoconductor drum).

A non-printing area is reserved to ensure complete transfer. This area is 6.35 mm in page printer mode.

Fusing cycle

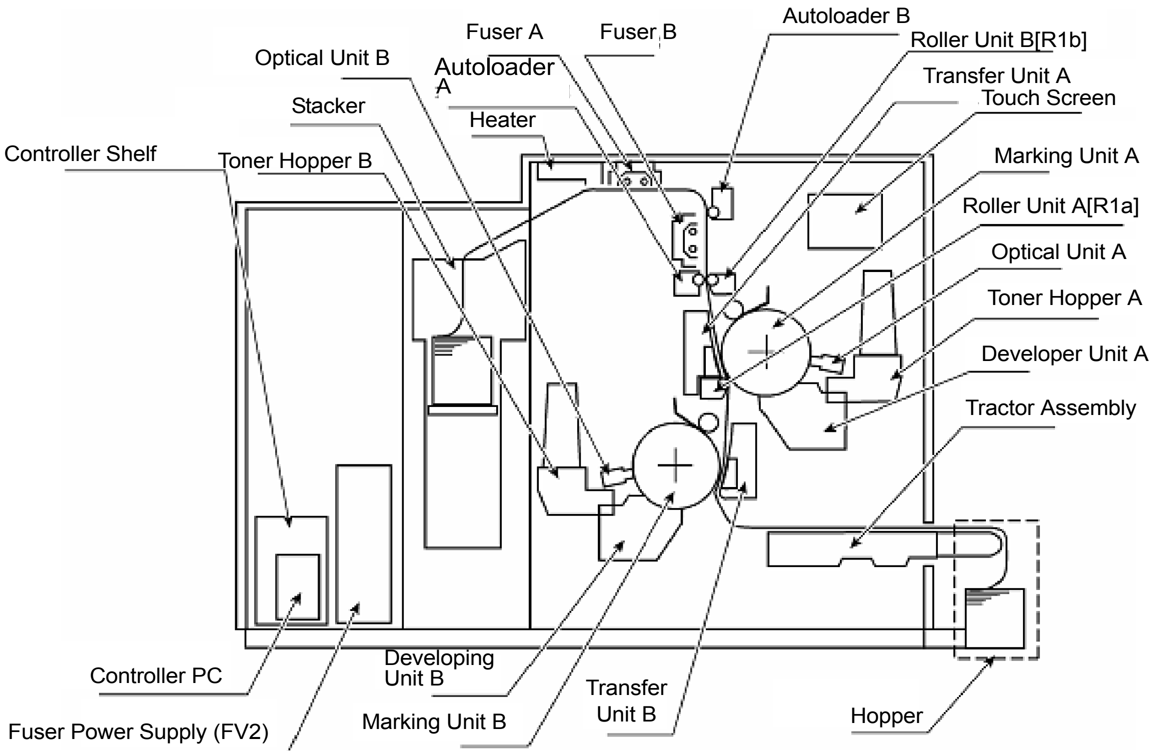
Information transferred to printing paper is fused sequentially.

Once data-transferred paper has reached the fuser, a fusing cycle starts automatically. After fusing, the paper is sent to the stacker.

Data-transferred paper cannot be taken out without fusing.

Configuration

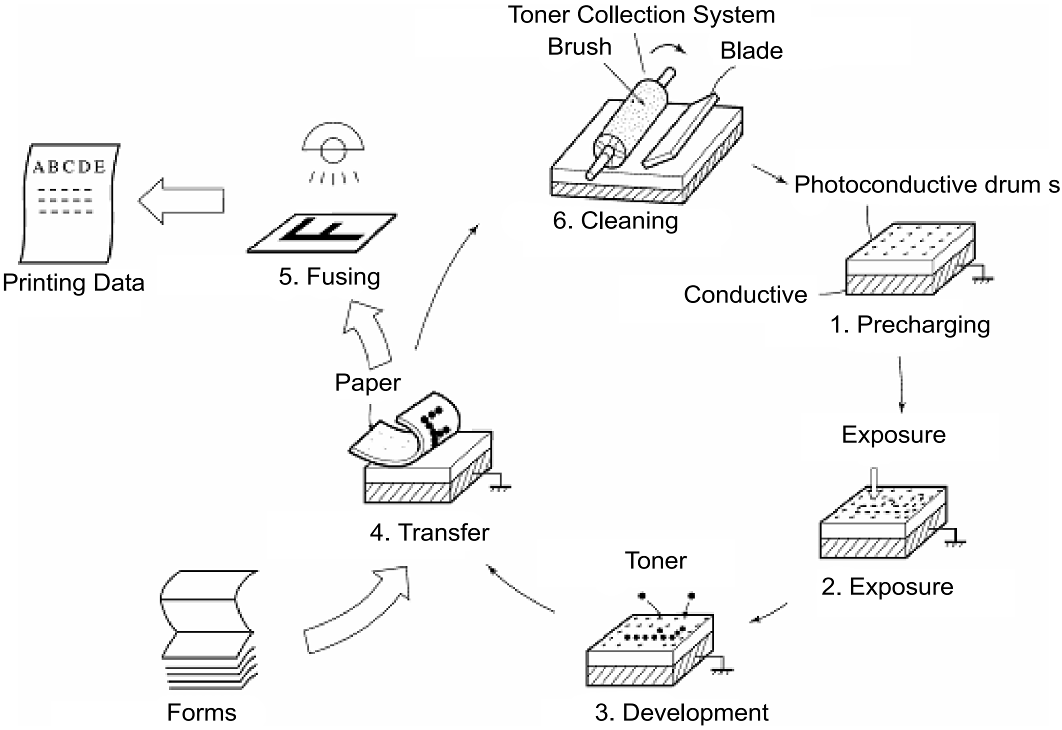
The following illustration shows the unit arrangement of this printer looking from the front.


Fuser A
Fuser B
Autoloader B
Roller Unit B[R1b]
Optical Unit B
Autoloader A
Transfer Unit A
Touch Screen
Stacker
Heater
Controller Shelf
Toner Hopper B
Marking Unit A
Roller Unit A[R1a]
Optical Unit A
Toner Hopper A
Developer Unit A
Tractor Assembly
Controller PC
Developing Unit B
Transfer Unit B
Hopper
Marking Unit B
Fuser Power Supply (FV2)

This printer can be divided into a mechanical unit section and a control unit section. With a marking unit at the center, the mechanical unit section consists of optical units, developing units, transfer units, a hopper, a tractor assembly, a stacker, and auxiliary units. The control unit section consists of a controller, power supplies, a main operator panel, and a sub-operator panel.

Outline of printing process

The following illustration shows the printing processes of this printer.


Toner Collection System
Brush
Blade
ABCDE
Printing Data
5. Fusing
6. Cleaning
Photoconductive drum surface
Conductive
1. Precharging
Paper
Exposure
4. Transfer
Toner
2. Exposure
Forms
3. Development

1. The precharger uniformly charges the entire surface of the photoconductor drum at the center in the recording unit.
2. The optical unit exposes a printing image onto the photoconductor drum to produce a latent image (electrical image that cannot be seen).
3. The developing unit visualizes the latent image using the toner.
4. The transfer unit transfers the visible image onto the paper.
5. The fusing unit fuses the image using flash fusing.
6. The photoconductor drum surface is cleaned after transfer.

   Then the photoconductor drum is uniformly precharged for the next exposure.
7. The waste toner after cleaning is recovered by the collection system.

This printer has a set of these process units for both the front-side and the back-side printing.

For double-sided printing, toner images are transferred sequentially for the back and front sides, then fused sequentially for the back and front sides.

Paper transport section

The paper transport section consists of a hopper, a tractor assembly, transfer units, a fuser, and a stacker.

1. Hopper - consists of paper box guides for mounting a paper box (if a pre-processing unit is not in place), hopper guides for guiding paper, and a paper-end detector.
2. Tractor assembly - consists of the first and second tractors and a back tension unit.
3. Transfer unit - consists of a transfer charger and a peripheral for driving the charger.

   This printer has transfer unit A for front-side printing and transfer unit B for back-side printing (see "Front and back marking units" on page 2-2).
4. Fuser - is of the flash fusing type consists of a flash lamp and structural parts.

   This printer has fuser A for front-side fusing and fuser B for back-side fusing (see "Front and back marking units" on page 2-2).
5. Stacker - consists of a paper folding mechanism and a drawer-type stacker table with an up/down function. Alternatively paper can be diverted to an output channel for further processing by a post-processing unit.

Auxiliary units

To support the above processes, this printer has a roller unit, an autoloader, and a heater.

1. Roller unit - is used to assist transfer and to stabilize paper transport.

   This unit has a guide roller with special coating to keep contact with non-fused paper and consists of a roller cleaner and its drive.

   This printer has roller units A and B. Roller unit A[R1a] is installed in transfer unit A.
2. Autoloader - assists paper transport for autoloading and is kept at a position away from the paper surface during printing.

   This unit consists of a paper transport roller and its drive. This printer has autoloaders A and B.
3. Heater - is used to ensure high transfer quality when printing stops and starts repeatedly in intermittent printing. This unit consists of a halogen lamp for heating and a fan for hot-air blowing. (See "Setting print modes" on page 3-8)

Controller shelf

The controller shelf supports the controller PC.

Main and sub operator panels

1. Touch screen - The touch screen is the main user interface through which printer operations are defined and executed.
2. Sub-operator panel - The sub-operator panel consists of switches and indicators necessary for power-on/off and maintenance.

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